

# PUBLIC HEALTH REPORTS.

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## THE CHOLERA SITUATION.

The number of cases of cholera being reported in Italy is on the decrease. The number of cases in Tunis, on the other hand, has been increasing. Otherwise, the reports being received indicate no material change in the cholera situation.

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(1703)

# UNITED STATES.

## MUNICIPAL ORDINANCES, RULES, AND REGULATIONS PERTAINING TO PUBLIC HYGIENE.

[Adopted since Jan. 1, 1910.]

CINCINNATI, OHIO.

### BAKERIES—CONSTRUCTION, CARE, AND MAINTENANCE.

SEC. 1. Any place used for any process of mixing, compounding, or baking, for sale or for purposes of a restaurant, bakery, or hotel, any bread, biscuits, pretzels, crackers, buns, rolls, macaroni, cake, pies, or any food product of which flour or meal is a principal ingredient, shall be deemed a bakery for the purpose of this regulation. Provided, however, that restaurants as defined in the regulation of this board concerning restaurants in which any of the foregoing food products are mixed and baked for consumption in such restaurant only, on or in ordinary restaurant kitchen stoves or ranges, and kitchens or rooms in dwellings where any of the said food products are mixed and baked in an ordinary kitchen stove or range shall not be considered bakeries.

SEC. 2. Every place used as a bakery shall be kept in a clean and sanitary condition as to its floors, side walls, ceilings, woodwork, fixtures, furniture, tools, machinery, pans, and utensils. All vehicles from which any bread or other bake-shop product is sold shall be kept in a clean condition, and all baskets or other containers in which any of the said products are conveyed through the streets shall be closely covered in a way to exclude dust, flies, and other sources of contamination. All parts of the bakery shall be adequately lighted at all times and shall be ventilated by means of windows or skylights or air shafts or air ducts, or mechanical apparatus, if necessary, so as to insure a free circulation of fresh air at all times. Such ventilating construction and equipment shall be of such character that a complete change of air in all parts of the bakery may be made at least four times each hour. Provided, however, that it shall not be necessary to ventilate at such time or in such manner that the process of mixing or the rising of dough shall of necessity be interfered with or prevented.

SEC. 3. The floor of every place used as a bakery, if below the street level, shall be constructed of concrete, cement, asphalt, or other impervious material, or of tile laid in cement, which floor may, if desired, be covered with a hardwood floor having tight joints; if above street level, the floor may be of hardwood, with tight joints, or may be of any impervious material, as above provided. The angles where the floor and walls join shall be made and maintained so as to be rat proof. Provided, however, nothing herein shall be construed to permit the use of a cellar or basement as a bakery.

SEC. 4. Every bakery shall be kept reasonably free from flies, and the doors, windows, and other openings of every such bakery shall, from April 1 to December 1, be fitted with self-closing wire-screen doors and wire window screens. The side walls and ceilings shall be well and smoothly plastered, tiled, or sheathed with metal or wood sheathing, and shall be kept in good repair. If made of mill construction with smooth surface, such walls and ceilings need not be sheathed or plastered. All walls and ceilings shall be kept well painted with oil paint, or lime washed or calcimined, and all woodwork shall be kept well painted with oil paint.

SEC. 5. Every such bakery shall be provided with adequate plumbing and drainage facilities, including well-ventilated water-closets and impermeable wash sinks on iron supports. No water-closet compartment shall be in or in direct communication with a bakery.

Sec. 6. No person shall sleep or live in any bakery or in the room where flour or meal used in connection therewith, or the food products made therein, are handled or stored. If any sleeping places are located on the same floor as the bakery they shall be well ventilated, dry, sanitary, and open to inspection. No domestic animals shall be permitted in a bakery or place where flour or meal is stored in connection therewith.

Sec. 7. All workmen and employees while engaged in the manufacture or handling of bakery products in a bakery shall provide themselves with slippers or shoes and a set of washable material, which shall be used for that purpose only. These garments shall at all times be kept clean.

Sec. 8. Cuspidors of impervious material shall be provided and shall be cleaned daily. No employee or other person shall spit or discharge any substance from the nose, mouth, or any part of the body on the floor or side walls of any bakery or place where food products of such bakery are stored.

Sec. 9. The smoking, snuffing, or chewing of tobacco in any bakery is prohibited. Plain notices shall be posted in every bakery forbidding any person to use tobacco or to spit on the floor of such bakery.

Sec. 10. No person who has consumption, scrofula, or any venereal disease, or any contagious or infectious disease or any communicable or loathsome skin disease shall work in any bakery, and no owner, manager, or person in charge of any bakery shall knowingly require, permit, or suffer such a person to be employed in such bakery.

Sec. 11. All rooms for the storage of flour or meal for use in connection with any bakery shall be dry and well ventilated, and every bakery and room used for the storage of materials and food products in connection therewith shall be so arranged that the shelves, cupboards, trays, troughs, bins, cases, and all other appliances for handling and storing the same can be easily removed and cleaned. If the floor of any such bakery or room is below the adjacent street level, no such materials or products shall be stored nearer to such floor than 1 foot.

Sec. 12. Every bakery shall be kept clean at all times and free from rats, mice, or vermin and from all matter of an infectious or contagious disease.

Sec. 13. No bakery shall be located over or under or within 25 feet of any place or building where horses or cows are housed or maintained, or where the processes of rendering, glue making, fertilizer making, and other foul-smelling products are carried on.

Sec. 14. Operatives, employees, clerks, and all persons who handle the material from which food is prepared, or the finished product, before beginning work and immediately after visiting a toilet or lavatory shall wash their hands and arms thoroughly in clean water.

Sec. 15. The health officer and the authorized inspectors and employees of the department of health shall have the right at all times to enter to make such inspection and such record of the condition of any bakery as they may deem necessary, and if such inspection shall disclose a lack of conformity with this ordinance the health officer may require such changes, alterations, or renovations as may be necessary to make such bakery comply with the provisions of this ordinance.

Sec. 16. Violations of these regulations shall be punished as provided by law. [Regulations, board of health, adopted May, 1911.]

#### BARBERS AND BARBER SHOPS—REGULATION OF.

Sec. 1. Every barber or other person in charge of any barber shop shall keep said barber shop at all times in a cleanly and sanitary condition. The walls and ceilings shall be properly painted, whitened, or papered, and the floor shall be kept in a clean condition. Every barber shop shall be properly lighted and ventilated.

Sec. 2. No person shall use any barber shop as a sleeping room or dormitory.

Sec. 3. Every barber or other person in charge of any barber shop shall supply running hot and cold water, and shall use hot-water tanks for no other purpose than that of heating water.

Sec. 4. Every barber or other person in charge of any barber shop shall sterilize all mugs, shaving brushes, razors, needles, clippers, shears, forceps, and other metal instruments in an approved manner, after every separate use thereof.

Sec. 5. Every barber shop shall provide impervious cuspidors, which shall be thoroughly cleaned daily, and every barber shall see that no person shall expectorate on the floors or walls of his shop.

Sec. 6. Every barber or other person in charge of any barber shop shall use a separate and clean towel for every customer, and shall, while serving said customer, wear a washable apron or coat, which shall be kept clean.

Sec. 7. Every barber or other person in charge of any barber shop shall provide a roll of clean paper to be placed in the back of each chair in such a way that the same

may be unrolled and constitute a headrest for the customer. No portion of the said paper shall be used for more than one customer, but each customer shall be provided with a fresh, clean section of the said paper. Provided, however, that as a substitute for the said paper any such person may use a clean towel as a headrest and must use a separate and clean towel for each and every customer.

SEC. 8. Every barber or other person in charge of any barber shop shall use alum or other material to stop the flow of blood in powdered or liquid form only.

SEC. 9. No barber or other person in charge of any barber shop shall use sponges or powder puffs.

SEC. 10. Every barber or other person in charge of any barber shop shall cleanse his hands immediately before serving each customer.

SEC. 11. Every barber or other person in charge of any barber shop shall post a copy of these regulations in a conspicuous place in said barber shop.

SEC. 12. No barber or other person in charge of any barber shop shall shave a customer when the surface to be shaven is inflamed or broken out or contains pus, unless such person be provided with a cup, razor, and lather brush for his individual use.

SEC. 13. No barber or other person in charge of any barber shop shall undertake to treat any disease of the skin.

SEC. 14. No person suffering from venereal disease or other contagious, infectious, or communicable disease shall act as a barber.

SEC. 15. Violations of these regulations shall be punished as provided by law. [Regulation, board of health, adopted May, 1911.]

#### RESTAURANTS—CONSTRUCTION, CARE, AND MAINTENANCE.

SEC. 1. The word "restaurant," as used in these regulations, shall be held to include all hotels and eating houses of every description.

SEC. 2. Every apartment or room in which food is served must be light, dry, airy, and properly drained, and all plumbing therein constructed must be in accordance with the rules and regulations of the city of Cincinnati.

SEC. 3. All rooms, apartments, and buildings used for the purposes of cooking and in the preparation of foodstuffs shall be used exclusively for such purpose, and the rooms or places set apart for the storage of foodstuffs shall likewise be light, airy, and properly ventilated.

SEC. 4. All rooms used for the cooking and preparing of foodstuffs shall have floors and side walls so constructed as to exclude vermin, rats, mice, and kept in a state of good repair. No dogs, cats, or other animals shall be allowed in said room. Said floor shall be smooth and constructed in such manner as to permit proper cleaning, and shall be kept in a sanitary state. The walls and ceilings of such apartments or rooms used for preparing foods shall be properly whitewashed, unless painted or finished in natural wood, as often as required by the health officer, but at least once in 12 months, and in all places along said walls where there is frequent contamination from use there shall be a lining of galvanized iron or other impervious material to the height of 6 feet. The furniture, tables, appurtenances, ranges, stoves, and all appliances in such rooms shall be so arranged and placed as to permit ready and easy cleaning on all sides, and all utensils, implements, furniture, and other appliances shall be kept and maintained in a clean and sanitary condition.

SEC. 5. No sleeping rooms, water-closets, privy vaults, urinals, ash pits, or coal bins shall be within the rooms or apartments used for the preparation of foods and cooking of food or for its storage, nor shall they communicate directly with any such room.

SEC. 6. No wearing apparel, boots, shoes, or other wearing effects not being worn shall be kept in any kitchen, and a suitable place, separate from such kitchen, shall be provided for their retention; and where the number of persons employed in the preparation of food in any manner exceeds in number four there shall be provided a suitable dressing room in which to change their clothing.

SEC. 7. All restaurants shall maintain for the use of cooks, helpers, and others engaged in the preparation and cooking of food, cuspidors, ample and sanitary toilet facilities for each sex, and washing facilities, with towels and soap, to enable those so employed to keep their hands and persons clean.

SEC. 8. No person shall work or be employed in or about any restaurant or kitchen of same during the time a case of infectious or contagious disease exists at the place where he or she resides, nor thereafter until the quarantine has been removed and the premises disinfected. No person shall be employed in or about any such place at whose home there is a case of tuberculosis of the lungs, without such person first obtain a permit in writing from the health officer, who shall not grant such permission unless he is satisfied that all precautions are taken so that no infection therefrom shall be spread.

Sec. 9. No person suffering from tuberculosis, ophthalmia, or any infectious or contagious disease, externally visible or not, or any skin disease, shall be employed in or about any part of a restaurant or its kitchen, or handle any foodstuffs or products used therein.

Sec. 10. No person or employee shall expectorate or discharge from the human body, or any organ thereof, or in any method whatever, upon the walls, floors, or equipment of any such restaurant or kitchen thereof, nor upon any product or material that may be upon the premises.

Sec. 11. No employee in any way connected with the handling, cooking, or preparing of any foodstuffs or products in any restaurant or kitchen thereof shall engage at work or his particular duty following a visit to a water-closet, urinal, or toilet room to relieve a call of nature without first thoroughly cleansing his or her hands.

Sec. 12. All restaurants shall provide, in places where foodstuffs are kept, prepared, cooked, or served to customers, full protection from dust, dirt, flies, and vermin by glass cases, wire screens, and other modern methods, and shall cause this abatement and destruction of vermin and flies wherever found.

Sec. 13. All restaurants shall be equipped with covered metallic cans for retaining and keeping their garbage and waste in a sanitary manner, which shall be kept in such place and manner as will preclude nuisance and contamination of the kitchen and such rooms from odors and from all possibilities therefrom, and when necessary shall use disinfectants.

Sec. 14. All restaurant kitchens shall be provided with a storeroom or suitable place for the sanitary keeping of food and foodstuffs, and all refrigerators shall be thoroughly cleaned in all parts and drained in a sanitary manner, but no refrigerator shall drain by direct communication with any sewer drain.

Sec. 15. All sweeping, dusting, and cleaning shall be done combined with sprinkling or other methods and by moist cloths to allay the dust, and during such sweeping, dusting, and cleaning all foodstuffs shall be protected by covering or otherwise from contamination thereby.

Sec. 16. Restaurants, kitchens, and other rooms connected therewith shall be provided with ample facilities for washing and cleaning all eating and cooking utensils and with a proper supply of hot and cold water, and no eating or drinking utensil soiled by use shall be used in the serving of food or foodstuffs in any manner without first being properly cleaned.

Sec. 17. All restaurants and their kitchens must be kept clean and wholesome at all times, and precautions taken to prevent nuisance from the dissemination of odors and smells arising from the creating, keeping, or handling of garbage, and all odors, vapors, smells, smoke from cooking must be disposed of, and, if necessary, by air shafts, fans, forced air, or other modern and approved methods.

Sec. 18. Violations of these regulations shall be punished as provided by law. [Regulation, board of health, adopted May, 1911.]

#### MILK—REGULATION OF THE PRODUCTION, CARE, AND SALE.

*Be it resolved by the board of health of the city of Cincinnati, county of Hamilton, and State of Ohio,* That it is hereby ordered that the use of uncovered milking pails be, and the same is hereby, declared unlawful.

And it is further ordered that the use of such uncovered milking pails be punishable and punished according to law. [Regulation, board of health, adopted May 10, 1911.]

All milk showing a perceptible sediment in the receptacle in which the same is contained shall, by the health officer or his assistants or inspectors, be confiscated or denatured. [Regulation, board of health, adopted Nov. 30, 1910.]

#### MEAT—REGULATION OF THE SALE OF.

Sec. 1. No person or persons shall sell, deliver, or offer for sale, or otherwise dispose of for human food within the city of Cincinnati any meat or meat products of any cattle, calf, sheep, goat, or swine, without a permit so to do from the board of health of the city of Cincinnati. Such permit shall be furnished gratuitously to applicants on condition that all the laws, ordinances, and regulations concerning slaughtering houses, the slaughtering of food-producing animals, the inspection of meat and meat products, the manufacturing and processing of meat or meat food products, and the sale thereof, be strictly complied with; and such permit shall be revoked by the board of health for violation of any of the above conditions.

Sec. 2. Any violation of the above regulation shall be punished according to law. [Regulation, board of health, adopted Feb. 1, 1911.]

## DIPHTHERIA ANTITOXIN—REGULATION OF THE SALE OF.

SEC. 1. No person or dealer in diphtheria antitoxin shall sell, deliver, or cause to sell or to be delivered diphtheria antitoxin to any person, unless he receives from such person the name and address of the person to whom said diphtheria antitoxin is to be administered.

SEC. 2. All persons engaged in the sale of diphtheria antitoxin shall, immediately upon the sale of the same, notify the board of health in writing of such sale, the name of the person to whom sold, and the name and address of the person to whom said diphtheria antitoxin so sold is to be administered.

SEC. 3. Any violation of the above regulation shall be punished according to law. [Regulation, board of health, adopted Oct. 11, 1910.]

## ERIE, PA.

## MILK—REGULATION OF THE PRODUCTION, CARE, AND SALE.

SEC. 1. No person or persons, firm, or corporation shall sell milk or cream in the city of Erie without first, annually before the 1st day of July, making application to the board of health, which application shall set forth, his, her, or their name or names, together with the location of their route or place of business, and the name of the owner of and the location of the dairy from which they obtain said milk or cream, and such other information relating to the care of said dairy and the production and care of milk and cream as may be deemed necessary by said board of health, said application to constitute an agreement between the applicant and the board of health for the faithful compliance with all the rules and regulations of said board, and obtaining from the board of health a license to carry on such business, which license shall be displayed in every store or wagon from which said milk or cream is sold.

SEC. 2. Each and every person or persons peddling milk or cream in the city of Erie shall have the wagon or other vehicle from which milk or cream is sold inclosed and conspicuously marked in plain letters not less than 3 inches high, with his, her, or their name or names and the number of the license under which said milk or cream is sold.

SEC. 3. No milk or cream shall be sold, offered for sale, or distributed in the city of Erie unless each and every animal in the herds from which said milk or cream is obtained shall have been examined within one year, to the satisfaction of the board of health, by a veterinarian or other inspector approved by said board, such examinations to include the tuberculin test, when such test may be deemed advisable or necessary by the board of health, and said veterinarian shall furnish to the owner or owners of said herds a certificate, on blanks to be furnished by the board of health, which certificate shall be sworn and subscribed to before a duly authorized magistrate.

SEC. 4. No person or persons, firm, or corporation shall offer or expose for sale, sell, or have in their possession, with intent to sell in the city of Erie, any milk or cream, buttermilk, or skimmed milk to which has been added borax, boracic acid, salicylate of soda, benzoate of soda, sulphite of soda, formalin or formaldehyde, or any other chemical, compound, or foreign substance whatsoever, including ice or water; the percentage of fats in milk not to be less than 3.25 per cent, and that of cream not less than 18 per cent, and vessels or cans containing buttermilk or skimmed milk must be plainly labeled as such.

SEC. 5. No milk or cream shall be sold or handled by any person or persons in whose family or residence there is a case of contagious or infectious disease, nor from any dairy or premises on which such diseases exist, except by permission of and in the manner prescribed by the board of health.

SEC. 6. No milk or cream shall be sold or exposed for sale in the city of Erie except from cows stabled under light, dry, and well ventilated conditions and in all other respects conforming to the requirements set forth in the following rules:

*Rule 1.* Each cow shall have at least 3 feet in width of floor space when fastened in stanchions, and in all cases where no adequate artificial means for ventilation are provided, each animal shall have an air space of at least 500 cubic feet.

*Rule 2.* All stables for shelter of said cattle shall be provided with a tight, dry floor. The manure drop shall be water tight, and if constructed of wood, shall be asphalted, tarred or otherwise made nonabsorbent.

*Rule 3.* The walls and ceilings of said stables shall be whitewashed whenever it may be deemed necessary by the board of health.

*Rule 4.* Manure shall not be allowed to accumulate in large quantities in stable yards, nor near the buildings where the cattle are kept, and when stored temporarily in such places it shall be removed at least once a week to a distance of at least 50 feet from said stable. The stable yards shall be drained and kept in a clean, dry condi-

tion, and no accumulation of household garbage, vegetable or other putrescible matter shall be allowed to remain, or decay, in said stable yards.

*Rule 5.* Cattle shall at all times be kept in a clean condition. Manure must not be allowed to collect upon the udder, sides, teats, or belly of any milch cow. Milch cows must be groomed daily and all long hairs clipped from their udders and flanks. The udder and teats of the cow shall be thoroughly cleaned before milking, using for this purpose a clean damp cloth only.

*Rule 6.* No milk or cream shall be sold or offered for sale or distributed in the city of Erie obtained from any cow that has calved within 5 days, or from a cow which will calve within 21 days.

**SEC. 7.** No milk or cream shall be sold or exposed for sale in the city of Erie except from cattle fed and watered under proper sanitary conditions, and all food given shall be good and wholesome and the water supply free from all contamination by stable or household drainage. No milch cow shall be fed ensilage or any other fermented food for at least six hours previous to milking.

**SEC. 8.** All milkers and other attendants employed in any dairy, the milk or cream from which is sold or offered for sale, or delivered, in the city of Erie, shall be personally clean and healthy, and before milking or caring for the milk or cream their hands shall be washed and their clothes changed and a clean suit, to be used for this purpose only, shall be put on and worn during milking time.

**SEC. 9.** All receiving stations at which milk or cream is delivered must be properly inclosed in the manner and form prescribed by sections 11, 12, and 13. The depositing of vessels containing milk and cream on street corners or other open places is hereby prohibited. The temperature of milk and cream in transit must at all times remain at or below 50° F.

**SEC. 10.** All milk pails, cans, and other receptacles used for the production and transportation of milk or cream shall, before each use, be thoroughly washed with water and soap, or soda, and then scalded with boiling water or live steam, thoroughly aired and kept upside down in a cool place, and they must not under any circumstances, be rinsed with cold water before using. All milk pails used shall have a top diameter not exceeding 8 inches, and all receptacles used for the production and transportation of milk must be of the same or smaller diameter.

**SEC. 11.** No milk or cream shall be kept for sale or distribution or handled, transferred to or from cans or containers, or stored, in any stable or similar place, or in any room used wholly or in part for domestic or sleeping purposes.

**SEC. 12.** Milk or cream shall be stored or regularly mixed, cooled, or poured from cans only in a room which is not connected in any way with the stable or stables or yards in which cattle are kept or milked; and each milk room shall be well lighted and ventilated in the manner and form approved by the board of health; said room shall be provided with a water-tight floor, and all doors and windows must be properly screened to exclude animals, flies, and vermin of all kinds. The walls and ceilings of all such rooms must be sheeted or ceiled and must be painted or whitewashed at least once each year; such rooms must also be kept constantly neat and clean, no rubbish or refuse of any kind being allowed to accumulate.

**SEC. 13.** No water-closet or privy shall be in the aforesaid room nor in any room connected directly therewith, nor shall dogs or cats or other domestic animals be allowed in these rooms at any time.

**SEC. 14.** Whenever milk or cream is filtered or strained, cooled, or stored in a room, said room shall be such as is described in sections 12 and 13.

**SEC. 15.** Milk or cream kept for sale in any store, shop, market, bakery, or other establishment shall be always kept in a covered cooled box or refrigerator, properly drained and cared for, and while therein shall be tightly covered or closed, and only in such location and under such conditions as shall be approved by the board of health, nor shall any milk or cream be sold from places covered by this section except the same shall be in air and dust proof containers, the use of which has been approved by the board of health, and which have been received by the dealer properly filled and sealed, such filling and sealing to have been made at the dairy or wholesale plant from which said milk was produced before its receipt by the milk dealer or peddler.

**SEC. 16.** All vehicles from which milk or cream is sold in this city shall, during the months of June, July, August, and September, be equipped with ice boxes which shall be of sufficient size and kept thoroughly clean, and when said vehicles are in use shall be kept full of ice and the temperature of said milk or cream shall at all times be kept at or below 50° F. during the whole year.

**SEC. 17.** All cans, containers, or vessels of any sort used in the sale, delivery, or distribution of milk or cream to the consumer must be cleaned and sterilized (boiled, baked, scalded, or steamed) by the dealer before they are again used for the same pur-

pose, and containers must not be filled with milk or cream except at the dairy or milk depot from which distribution is made.

SEC. 18. No milk or cream shall be offered for sale in the city of Erie showing a higher bacterial count than 100,000 bacteria per cubic centimeter.

SEC. 19. Loose milk and bottled milk shall under no circumstances be carried, delivered, or sold from the same wagon. All pasteurized milk and cream sold in the city of Erie shall be properly labeled as such, and the date of its production and pasteurization shall be plainly stamped thereon.

SEC. 20. No metallic card or card tickets shall be used in connection with the sale or distribution of milk or cream in the city of Erie, but instead thereof a coupon ticket shall be employed, and such ticket shall be canceled and destroyed after being once used.

SEC. 21. Under no circumstances shall a milk or cream dealer in the city of Erie, or his or her employees, take from a quarantined house any money, tickets, cans, containers, etc., or enter such a house for any purpose whatsoever without written permission from the board of health.

Any person or persons who shall violate any section or part thereof of the rules and regulations of the board of health shall, upon conviction therefor before a duly authorized magistrate, be sentenced to pay a fine not less than \$5 nor more than \$100, and in default of the payment thereof, with costs, shall undergo imprisonment in the county jail for a period not to exceed 30 days. [Regulations, board of health, as amended May 19, 1911.]

#### FOODSTUFFS—PROTECTION OF.

No person or persons, firm or corporation, shall keep, expose, or offer for sale, in any place in the city of Erie, including stores, wholesale, retail, public or private markets, or from any conveyance or vehicle whatsoever, meats of any kind, bread-stuffs, cakes or pastries, confectionery of any kind, unwashable fruits or vegetables, or any other foodstuffs presenting moist surfaces, on which dust or filth from any source which may contain bacteria in any form, may gather or be deposited, or which may be polluted in any manner by animals, insects or any other vermin, unless the same be contained in dust and dirt proof cases or receptacles. And all washable fruits and vegetables, and other articles of food, when displayed outside of any building, in any open window or doorway, or upon any sidewalk, street, alley, or other thoroughfare, shall be elevated to a distance of at least 18 inches above the floor or sidewalk. [Amendment to regulations, board of health, adopted Mar. 3, 1910.]

#### BAKE-SHOP PRODUCTS TO BE WRAPPED IN PAPER.

No bake-shop product shall be sold or offered for sale in the city of Erie, unless the same shall be closely wrapped in a clean paper covering, said paper covering to be impervious to any pollution whatsoever from dust, flies, or any vermin, nor from the hands of any person or persons engaged in its sale, said wrapping to be done at the shop or plant where said product is made. The use of newspapers or any other waste paper for such wrapping is strictly prohibited. [Amendment to regulations, board of health, adopted May 19, 1911.]

#### GARBAGE AND REFUSE—REMOVAL OF.

All garbage, refuse, offal, or other waste material, shall be collected and removed from private residences, promptly, thoroughly, and in a cleanly manner at least once a week, from November 1 to April 30 inclusive, and at least twice a week from May 1 to October 31, inclusive, and from hotels, restaurants, meat markets, slaughter-houses, tallow rendering plants and fish-dressing establishments daily. [Amendment to regulations, board of health, adopted May 19, 1911.]

#### PRIVY VAULTS—CONSTRUCTION OF.

All privy vaults in the city of Erie shall not be less than 6 feet deep and shall not be erected within 20 feet of any building used or occupied for residence purposes, nor within 100 feet of any well or spring the water of which is used for drinking purposes; neither shall such a vault be dug within 10 feet of any street, or 5 feet of any alley, and such privy vaults shall have 9-inch walls, constructed of hard-burned brick or stone, laid in cement mortar, or of concrete, with bottom and sides cemented so as to be water-tight; size to be not less than 4 feet in diameter and 6 feet deep. [Amendment to regulations, board of health, adopted May 19, 1911.]

**STABLES—REGULATION OF.**

All barns and stables and yards connected therewith shall be kept in a sanitary condition, and all manure and other refuse therefrom shall be kept, when deemed necessary by the board of health, in water-tight manure pits or boxes for that purpose; pits or boxes to be tightly covered or screened in such a manner as to completely exclude all animals, vermin, and insects; and from May 1 to October 1 not more than one wagon load of manure shall be allowed to accumulate at any private stable or two loads at any livery or boarding stable without permission of the board. [Amendment to regulations, board of health, adopted May 19, 1911.]

**TOWELS—SINGLE-SERVICE INDIVIDUAL TOWELS TO BE USED IN PUBLIC PLACES.**

The use of roller towels, or any other large towel which may be used for more than one service, shall not be permitted in any hotel, restaurant, boarding house, saloon, clubhouse, or public lavatory or wash room, nor in any other public or private place where a number of people congregate, in the city of Erie, but instead the owners, proprietors, managers, or other persons in charge of such places shall provide a sufficient quantity of individual towels of any fabric approved by the board of health, so that each person shall have a clean one for his own use. [Amendment to regulations, board of health, adopted May 19, 1911.]

PLAGUE-PREVENTION WORK.

PLAGUE-INFECTED GROUND SQUIRRELS FOUND IN CALIFORNIA.

During the week ended October 14, 1911, the finding of 5 plague-infected ground squirrels was reported as follows: In Alameda County, Cal., October 9, at E. M. O'Brien ranch, 4 miles east of Fruitvale, 2 squirrels, and at S. E. Hewston ranch, 4 miles east of Fruitvale, 3 squirrels.

DISTRIBUTION OF POISON.

In connection with the making and maintenance of a squirrel-free zone around the cities of California on San Francisco Bay, 6,159 acres of land in Alameda County were covered with poison during the week ended October 14, 1911.

During the same period 4,100 acres of land in San Joaquin County and 1,460 acres in Stanislaus County were covered with poison for the purpose of eradicating plague foci.

Record of Plague Infection.

Places.	Date of last case of human plague.	Date of last case of rat plague.	Date of last case of squirrel plague.	Total number of rodents found infected since May, 1907.
California:				
Cities—				
San Francisco.....	Jan. 30, 1908.....	Oct. 23, 1908.....	None.....	398 rats.
Oakland.....	Aug. 9, 1911.....	Dec. 1, 1908.....	do.....	126 rats.
Berkeley.....	Aug. 27, 1907.....	None.....	do.....	None.
Los Angeles.....	Aug. 11, 1908.....	do.....	Aug. 21, 1908.....	1 squirrel.
Counties—				
Alameda (exclusive of Oakland and Berkeley).	Sept. 26, 1909....	Wood rat, Oct. 17, 1909.	Oct. 9, 1911.....	113 squirrels and 1 wood rat.
Contra Costa.....	July 21, 1911....	None.....	Sept. 23, 1911....	364 squirrels.
Merced.....	None.....	do.....	July 13, 1911....	5 squirrels.
Monterey.....	do.....	do.....	Aug. 6, 1911....	5 squirrels.
San Benito.....	June 5, 1910.....	do.....	June 8, 1911....	22 squirrels.
San Joaquin.....	Sept. 18, 1911....	do.....	Aug. 26, 1911....	18 squirrels.
San Luis Obispo.....	None.....	do.....	Jan. 29, 1910....	1 squirrel.
Santa Clara.....	Aug. 23, 1910....	do.....	Oct. 5, 1910....	23 squirrels.
Santa Cruz.....	None.....	do.....	May 17, 1910....	3 squirrels.
Stanislaus.....	do.....	do.....	June 2, 1911....	13 squirrels.
Washington:				
City				
Seattle.....	Oct. 30, 1907.....	Sept. 21, 1911....	None.....	25 rats.

**Rats Collected and Examined for Plague Infection.**

Places.	Week ended—	Found dead.	Total collected.	Examined.	Found infected.
<b>California:</b>					
<b>Cities—</b>					
Berkeley .....	Oct. 14		1 105	67	
Oakland .....	do	33	* 586	471	
San Francisco .....	do	26	* 1,644	1,165	
<b>County—</b>					
San Joaquin .....	do		4 72	72	
<b>Washington:</b>					
<b>City—</b>					
Seattle .....	do		961	125	

- 1 Identified: *Mus norvegicus* 83, *Mus musculus* 22.
- \* Identified: *Mus norvegicus* 520, *Mus musculus* 66.
- \* Identified: *Mus norvegicus* 949, *Mus musculus* 359, *Mus rattus* 219, *Mus alexandrinus* 117.
- 4 Identified: *Mus musculus* 9, *Mus alexandrinus* 63.

**Squirrels Collected and Examined for Plague Infection.**

Places.	Week ended—	Shot or trapped.	Found dead.	Examined.	Found infected.
<b>California:</b>					
<b>Counties—</b>					
Alameda .....	Oct. 14	62	47	109	5
Butte .....	do	59		59	
Colusa .....	do	40		16	
Glenn .....	do	83		38	
Kern .....	do	31		31	
Lake .....	do	71		66	
Merced .....	do	114		84	
San Benito .....	do	78		78	
San Joaquin .....	do	77	20	72	
Shasta .....	do	11		11	
Sonoma .....	do	21		21	
Stanislaus .....	do	53		53	
Yolo .....	do	86		41	
Total .....		786	67	679	5

**Other Animals Collected and Examined.**

Places.	Week ended—	Animals collected.	Examined.	Found infected.
<b>California:</b>				
<b>Cities—</b>				
San Francisco .....	Oct. 14	1 chipmunk		1
<b>Counties—</b>				
Kern .....	do	1 rabbit		1
Merced .....	do	6 rabbits		5
San Benito .....	do	1 rabbit		1
San Joaquin .....	do	6 rabbits		5
Stanislaus .....	do	1 rabbit		1
Total .....			14	

**SMALLPOX IN THE UNITED STATES.**

In the following tables the States indicated by an asterisk are those from which reports of smallpox are received only from certain city, and in some cases county, boards of health. In these States, therefore, the recorded cases and deaths should not be taken as showing the general prevalence of the disease. In the States not marked by an asterisk the reports are received monthly from the State boards of health and include all cases reported throughout the State.

**Reports Received During Week Ended Nov. 3, 1911.**

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Indiana:</b>				
Counties—				
Henry.....	Sept. 1-30.....	1		
Howard.....	do.....	2		
Tipton.....	do.....	1		
Vigo.....	do.....	17		
<b>Total for State.....</b>		<b>21</b>		
<b>Massachusetts:</b>				
County—				
Bristol.....	Aug. 1-31.....	1		
<b>Total for State.....</b>		<b>1</b>		
<b>New Jersey:</b>				
County—				
Cumberland.....	Sept. 1-30.....	1		
<b>Total for State.....</b>		<b>1</b>		
<b>New York:</b>				
Counties—				
Albany.....	Sept. 1-30.....	2		
Cattaraugus.....	do.....	1		
Erie.....	do.....	1		
Steuben.....	do.....	5		
<b>Total for State.....</b>		<b>9</b>		
<b>Texas:</b>				
Counties—				
Brazoria.....	Sept. 1-30.....	3		
Hale.....	do.....	1		
Wharton.....	do.....	1		
<b>Total for State.....</b>		<b>5</b>		

**Reports Received from July 1 to Oct. 27, 1911.**

[For reports received from Dec. 31, 1910, to June 30, 1911, see Public Health Reports for June 30, 1911. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

Places.	Date.	Cases.	Deaths.	Remarks.
<b>*Alabama:</b>				
Mobile.....	June 18-24.....	3		
Montgomery.....	June 25-Aug. 30.....	6		
<b>Total for State.....</b>		<b>9</b>		
<b>Arizona:</b>				
County—				
Cochise.....	July 1-31.....	7		Aug. 1-31, no cases.
<b>California:</b>				
Counties—				
Alameda.....	Aug. 1-31.....	1		
Fresno.....	do.....	4		
Los Angeles.....	May 1-Aug. 31.....	11		
Sacramento.....	Aug. 1-31.....	1		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Oct. 27, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>California—Continued.</b>				
<b>Counties—Continued.</b>				
San Bernardino.....	Aug. 1-31.....	2		
Santa Cruz.....	May 1-31.....	1		
San Diego.....	May 1-July 31.....	2		
San Francisco.....	May 1-Aug. 31.....	5		
San Joaquin.....	Aug. 1-31.....	1		
Siskiyou.....	do.....	2		
Tulare.....	do.....	1		
Ventura.....	July 1-Aug. 31.....	2		
Total for State.....		33	2	
<b>Colorado:</b>				
<b>Counties—</b>				
Archuleta.....	Aug. 1-31.....	1		
Boulder.....	June 1-July 31.....	3		
Chaffee.....	June 1-30.....	3		
Clear Creek.....	June 1-July 31.....	8		
Conejos.....	do.....	4		
Costilla.....	June 1-30.....	1		
Delta.....	do.....	7		
Denver.....	June 1-Sept. 30.....	37		
Fremont.....	Aug. 1-31.....	2		
El Paso.....	June 1-30.....	2		
Huerfano.....	June 1-Aug. 31.....	7		
Jefferson.....	Aug. 1-31.....	1		
Kiowa.....	July 1-Sept. 30.....	7		
Lake.....	June 1-Sept. 30.....	10		
La Plata.....	June 1-July 31.....	7		
Larimer.....	June 1-Aug. 31.....	10		
Las Animas.....	Aug. 1-31.....	1		
Lincoln.....	June 1-30.....	2		
Mesa.....	do.....	1		
Morgan.....	Aug. 1-31.....	3		
Montrose.....	July 1-31.....	2		
Otero.....	do.....	1		
Phillips.....	do.....	1		
Pueblo.....	June 1-Sept. 30.....	8		
San Miguel.....	June 1-30.....	1		
Summit.....	Sept. 1-30.....	4		
Washington.....	June 1-July 31.....	11		
Weld.....	July 1-Sept. 30.....	2		
Total for State.....		147		
<b>Connecticut, entire State</b>				
Middlesex County.....	July 1-Aug. 31.....	2		May 1-31, no cases
District of Columbia.....	July 2-8.....	5		
<b>Florida:</b>				
<b>Counties—</b>				
Alachua.....	Aug. 20-26.....	3		
Bradford.....	July 17-Sept. 30.....	8		
Citrus.....	July 0-22.....	2		
Columbia.....	July 2-8.....	1		
De Soto.....	June 16-Aug. 26.....	7		
Duval.....	June 16-Sept. 23.....	44	1	
Escambia.....	June 16-Aug. 26.....	7		
Gadsden.....	July 0-Sept. 23.....	72		
Hillsboro.....	June 16-Aug. 26.....	3		
Jackson.....	July 2-Sept. 30.....	57		
Jefferson.....	Sept. 16-23.....	20		
Leon.....	June 16-July 8.....	11		
Levy.....	July 0-16.....	1		
Madison.....	Sept. 10-16.....	2		
Manatee.....	June 16-July 8.....	8		
Marion.....	July 0-Sept. 16.....	2		
Orange.....	June 16-July 16.....	2		
Pasco.....	July 0-16.....	20		
Polk.....	June 16-July 16.....	5		
Santa Rosa.....	July 0-16.....	6		
Sumter.....	Aug. 1-6.....	1		
Volusia.....	July 0-16.....	1		
Washington.....	Aug. 1-26.....	8		
Total for State.....		291	1	

SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Oct. 27, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Indiana:</b>				
<b>Counties—</b>				
Adams.....	Aug. 1-31.....	1		
Allen.....	June 1-30.....	1		
Bartholomew.....	July 1-31.....	1		
Benton.....	June 1-30.....	2		
Blackford.....	.....do.....	4		
Boone.....	Aug. 1-31.....	1		
Cass.....	.....do.....	1		
Clarke.....	July 1-31.....	2		
Clinton.....	June 1-30.....	7		
Delaware.....	June 1-Aug. 31.....	14		
Franklin.....	July 1-31.....	1		
Henry.....	June 1-Aug. 31.....	2		
Howard.....	.....do.....	41		
Jay.....	June 1-30.....	2		
Lake.....	Aug. 1-31.....	3		
Laporte.....	June 1-30.....	2		
Madison.....	June 1-Aug. 31.....	21		
Marion.....	.....do.....	4		
Orange.....	Aug. 1-31.....	2		
Parke.....	June 1-July 31.....	4		
Posey.....	June 1-30.....	3		
Rush.....	Aug. 1-31.....	3		
Shelby.....	June 1-30.....	3		
Tippecanoe.....	July 1-31.....	2		
Tipton.....	June 1-Aug. 31.....	6		
Vanderburg.....	.....do.....	1	1	
Vigo.....	July 1-31.....	8		
Wabash.....	June 1-30.....	2		
Wayne.....	June 1-July 31.....	13		
<b>Total for State.....</b>		<b>157</b>	<b>1</b>	
<b>Iowa:</b>				
<b>Counties—</b>				
Adams.....	June 1-July 31.....	19		
Appanoose.....	June 1-30.....	1		
Blackhawk.....	.....do.....	4		
Carroll.....	.....do.....	1		
Davis.....	.....do.....	3		
Decatur.....	June 1-July 31.....	2		
Fremont.....	June 1-Sept. 30.....	11		
Henry.....	June 1-30.....	2		
Johnson.....	July 1-31.....	13		
Lee.....	June 1-30.....	1		
Linn.....	July 1-Aug. 31.....	9		
Madison.....	Sept. 1-30.....	1		
Marshall.....	June 1-Aug. 31.....	9		
Mills.....	June 1-30.....	1		
Polk.....	June 1-Sept. 30.....	14		
Pottawattamie.....	.....do.....	42		
Scott.....	.....do.....	7		
Sioux.....	June 1-July 31.....	8		
Taylor.....	.....do.....	9		
Wapello.....	June 1-Aug. 31.....	5		
Wright.....	June 1-30.....	1		
Woodbury.....	July 1-31.....	1		
<b>Total for State.....</b>		<b>164</b>	<b>1</b>	
<b>Kansas:</b>				
<b>Counties—</b>				
Allen.....	May 1-31.....	7		
Anderson.....	June 1-30.....	15		
Atchison.....	May 1-June 30.....	2		
Barton.....	.....do.....	8		
Brown.....	Aug. 1-31.....	5		
Clark.....	July 1-Aug. 31.....	3		
Clay.....	May 1-31.....	1		
Cloud.....	.....do.....	1		
Crawford.....	May 1-July 31.....	19		
Dickinson.....	May 1-31.....	13		
Doniphan.....	.....do.....	15		
Douglas.....	May 1-Aug. 31.....	5		
Elk.....	May 1-31.....	15		
Ellsworth.....	June 1-30.....	1		
Franklin.....	May 1-31.....	4		
Graham.....	May 1-June 30.....	3		
Harvey.....	May 1-Aug. 31.....	33		
Haskell.....	May 1-31.....	19		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Oct. 27, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Kansas—Continued.</b>				
<b>Counties—Continued.</b>				
Jefferson.....	May 1-July 31.....	9		
Jewell.....	July 1-Aug. 31.....	7		
Johnson.....	May 1-June 30.....	5		
Kearny.....	June 1-July 31.....	2		
Labette.....	May 1-Aug. 31.....	14		
Lane.....	June 1-30.....	11		
Leavenworth.....	May 1-June 30.....	3		
Lyon.....	July 1-Aug. 31.....	3		
Marion.....	May 1-31.....	3		
Marshall.....	do.....	3		
Miami.....	do.....	3		
Mitchell.....	do.....	6		
Montgomery.....	do.....	5		
Norton.....	June 30.....	9		
Osage.....	May 1-31.....	1	3	
Pottawatomie.....	do.....	2		
Reno.....	do.....	3		
Republic.....	May 1-Aug. 31.....	5		
Rice.....	June 30.....	13		
Riley.....	May 1-June 30.....	9		
Rooks.....	May 1-July 31.....	13		
Saline.....	May 1-Aug. 31.....	8		
Sedgwick.....	May 1-July 31.....	12		
Shawnee.....	May 1-Aug. 31.....	73	17	
Sherman.....	June 1-30.....	1		
Smith.....	May 1-31.....	18		
Thomas.....	do.....	2		
Washington.....	do.....	1		
Wyandotte.....	May 1-Aug. 31.....	26		
Total for State.....		439	20	
<b>*Kentucky:</b>				
Covington.....	July 2-22.....	10		
Louisville.....	May 1-31.....	4		
Total for State.....		14		
<b>*Louisiana:</b>				
<b>Parishes—</b>				
Ascension.....	Mar. 1-31.....	21		
Morehouse.....	Apr. 1-30.....	4		
Orleans—				
New Orleans.....	June 25-Oct. 7.....	5		
St. Tammany.....	Mar. 1-31.....	3		
Tangipahoa.....	Mar. 1-Apr. 30.....	21		
Total for State.....		54		
<b>Maine, entire State.....</b> July 1-31, no cases.				
<b>Counties—</b>				
Androscoggin.....	Aug. 1-31.....	3		
Somerset.....	June 1-30.....	3		
Total for State.....		6		
<b>Maryland:</b>				
<b>Counties—</b>				
Frederick.....	July 1-31.....	3		
Prince Georges.....	do.....	1		
Washington.....	June 1-30.....	1		
Total for State.....		5		
<b>Massachusetts.....</b> July 1-31, no cases.				
<b>County—</b>				
Bristol.....	Sept. 1-30.....	1		
Middlesex.....	June 1-30.....	1		
<b>Michigan.</b>				
<b>Counties—</b>				
Antrim.....	do.....	2		
Calhoun.....	June 1-July 31.....	12		
Cheboygan.....	July 1-31.....	10		
Grand Traverse.....	June 1-Sept. 30.....	7		
Gratiot.....	Aug. 1-Sept. 30.....	3		
Isabella.....	June 1-30.....	1		
Mackinac.....	June 1-Aug. 31.....	8		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Oct. 27, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Michigan—Continued.</b>				
<b>Counties—Continued.</b>				
Marquette.....	June 1-30.....	1		
Millford.....	July 1-31.....	1		
Montcalm.....	July 1-Aug. 31.....	8		
Muskegon.....	July 1-31.....	2		
Oakland.....	June 1-30.....	1		
Ottawa.....	do.....	1		
Saginaw.....	Sept. 1-30.....	1		
St. Clair.....	June 1-Sept. 30.....	23		
Shiawassee.....	June 1-30.....	1		
Tuscola.....	Sept. 1-30.....	1		
Washtenaw.....	June 1-July 31.....	6		
Wayne.....	June 1-Sept. 30.....	9		
Total for State.....		98		
<b>Minnesota:</b>				
<b>Counties—</b>				
Ramsey.....	Mar. 1-31.....		1	
	May 1-31.....		1	
Brown.....	June 20-26.....	2		
Carver.....	June 1-5.....	1		
Dodge.....	July 4-Sept. 25.....	5		
Faribault.....	June 6-17.....	2		
Fillmore.....	June 6-12.....	1		
Goodhue.....	July 25-31.....	1		
Hennepin.....	June 1-Oct. 2.....	45		
Houston.....	July 25-31.....	1		
Lac qui Parle.....	June 1-19.....	4		
Mille Lacs.....	June 1-5.....	1		
Ottertail.....	June 1-Sept. 18.....	8		
Ramsey.....	June 1-Oct. 2.....	59		
Redwood.....	Aug. 15-21.....	1		
Rock.....	Aug. 29-Sept. 4.....	1		
St. Louis.....	June 21-Sept. 18.....	13		
Wadena.....	July 11-Aug. 7.....	3		
Yellow Medicine.....	June 1-26.....	35		
Total for State.....		183	2	
<b>*Missouri:</b>				
Kansas City.....	June 1-Aug. 31.....	22	1	
St. Louis.....	June 18-Sept. 2.....	2		
Total for State.....		24		
<b>Montana.....</b>				
<b>Counties—</b>				
Beaverhead.....	July 1-31.....	1		
Cascade.....	do.....	1		
Jefferson.....	do.....	4		
Park.....	do.....	1		
Powell.....	do.....	2		
Silver Bow.....	do.....	3		
Teton.....	do.....	3		
Yellowstone.....	do.....	1		
Total for State.....		16		June 1-30, no cases.
<b>*Nebraska:</b>				
Lincoln.....	Feb. 1-Sept. 30.....	201		
Omaha.....	June 19-Aug. 19.....	4		July 1-31, no cases.
South Omaha.....	Aug. 20-26.....	1		
Total for State.....		206		
New Hampshire.....	June 9-Sept. 30.....	45		
<b>New Jersey.....</b>				
<b>County—</b>				
Middlesex.....	July 1-31.....	1		No cases in June and August.
<b>New York.....</b>				
<b>Counties—</b>				
Cattaraugus.....	July 1-Aug. 31.....	8		
Erie.....	June 1-July 31.....	18		
Clinton.....	June 1-30.....	1		
Franklin.....	do.....	1		
Jefferson.....	Aug. 1-31.....	1		
Monroe.....	June 1-30.....	4		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Oct. 27, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>New York—Continued.</b>				
<b>Counties—Continued.</b>				
Onondaga.....	June 1-Aug. 31.....	10		
Otsego.....	June 1-30.....	1		
St. Lawrence.....	.....do.....	4		
Schoharie.....	July 1-31.....	11		
Steuben.....	July 1-Aug. 31.....	4		
Tioga.....	June 1-30.....	1		
Ulster.....	.....do.....	5		
Wayne.....	July 1-31.....	1		
Wyoming.....	.....do.....	1		
Total for State.....		72		
<b>North Carolina:</b>				
<b>Counties—</b>				
Alamance.....	June 1-July 31.....	2		
Anson.....	Sept. 1-30.....	16		
Avery.....	June 1-July 31.....	56		
Bertie.....	.....do.....	2		
Catawba.....	June 1-Sept. 30.....	3		
Chatham.....	June 1-Aug. 31.....	2		
Craven.....	.....do.....	3		
Cumberland.....	June 1-Sept. 30.....	9		
Currituck.....	July 1-31.....	1		
Duplin.....	.....do.....	3		
Durham.....	July 1-Aug. 31.....	5		
Edgecombe.....	June 1-30.....	4		
Forsyth.....	Sept. 1-30.....	1		
Granville.....	July 1-Sept. 30.....	29		
Guilford.....	Aug. 1-31.....	3		
Harnett.....	Aug. 1-Sept. 30.....	3		
Haywood.....	June 1-Sept. 30.....	4		
Henderson.....	June 1-30.....	4		
Hoke.....	Sept. 1-30.....	1		
Johnston.....	July 1-31.....	1		
Lincoln.....	Sept. 1-30.....	1		
McDowell.....	Aug. 1-31.....	1		
Mecklenburg.....	July 1-Sept. 30.....	10		
Mitchell.....	Sept. 1-30.....	1		
New Hanover.....	June 1-July 31.....	7		
Pasquotank.....	June 1-30.....	2		
Randolph.....	Sept. 1-30.....	1		
Robeson.....	July 1-Sept. 30.....	16		
Rockingham.....	Sept. 1-30.....	2		
Rowan.....	June 1-July 31.....	2		
Sampson.....	July 1-31.....	1		
Vance.....	Aug. 1-Sept. 30.....	20		
Warren.....	July 1-Aug. 31.....	11		
Watauga.....	June 1-30.....	2		
Wayne.....	July 1-31.....	1		
Wilmington.....	.....do.....	3		
Yancey.....	Sept. 1-30.....	2		
Total for State.....		235		
<b>North Dakota:</b>				
<b>Counties—</b>				
Billings.....	June 1-July 31.....	8		
Cass.....	Aug. 1-Sept. 30.....	5		
Cavaller.....	Sept. 1-30.....	4		
Grand Forks.....	.....do.....	2		
Lamoure.....	July 1-Sept. 30.....	7		
McKenzie.....	Aug. 1-31.....	1		
Morton.....	June 1-30.....	1		
Mountrail.....	.....do.....	6		
Nelson.....	Aug. 1-31.....	4		
Ward.....	June 1-30.....	1		
Total for State.....		39		
<b>Ohio:</b>				
<b>Counties—</b>				
Ashtabula.....	June 1-July 31.....	3		
Brown.....	June 1-30.....	4		
Clark.....	July 1-31.....	19		
Clermont.....	June 1-30.....	3		
Defiance.....	.....do.....	1		
Franklin.....	July 1-31.....	44		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Oct. 27, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Ohio—Continued.</b>				
<b>Counties—Continued.</b>				
Geauga.....	June 1-30.....	2		
Hamilton.....	July 1-Aug. 31.....	19		
Licking.....	July 1-31.....	1		
Lorain.....	do.....	5		
Lucas.....	July 1-Aug. 31.....	6		
Pickaway.....	July 1-31.....	3		
Ross.....	Aug. 1-31.....	9		
Sandusky.....	June 1-30.....	4		
Total for State.....		123		
<b>Oklahoma:</b>				
<b>Counties—</b>				
Bryan.....	June 1-30.....	1		
Caddo.....	May 1-31.....	1		
Carter.....	June 1-30.....	1		
Cleveland.....	May 1-June 30.....	49		
Comanche.....	June 1-Aug. 31.....	9		
Craig.....	June 1-30.....	6		
Custer.....	May 1-31.....	5		
Dewey.....	do.....	6		
Ellis.....	June 1-30.....	3		
Garvin.....	May 1-31.....	19		
Haskell.....	May 1-July 31.....	9		
Hughes.....	May 1-Aug. 31.....	9		
Jefferson.....	May 1-June 30.....	7		
Johnson.....	May 1-31.....	3		
Kay.....	do.....	6		
Kingfisher.....	do.....	1		
Kiowa.....	do.....	1		
Le Flore.....	May 1-June 30.....	3		
Logan.....	June 1-30.....	1		
McClain.....	May 1-31.....	18		
McIntosh.....	do.....	1		
Nowata.....	May 1-June 30.....	2		
Oklfuskee.....	May 1-31.....	1		
Oklahoma.....	May 1-June 30.....	10		
Pittsburg.....	June 1-30.....	1		
Pontotoc.....	May 1-31.....	5		
Pottawatomie.....	June 1-30.....	3		
Pushmataha.....	May 1-31.....	2		
Roger Mills.....	May 1-June 30.....	6		
Rogers.....	July 1-31.....	1		
Seminole.....	May 1-June 30.....	16		
Sequoyah.....	Aug. 1-31.....	3		
Tulsa.....	May 1-Aug. 31.....	11		
Wagoner.....	May 1-31.....	1		
Washington.....	June 1-30.....	1		
Washita.....	May 1-June 30.....	2		
Woodward.....	May 1-31.....	1		
Total for State.....		225		
<b>Oregon:</b>				
<b>Counties—</b>				
Baker.....	June 1-30.....	1		
Benton.....	May 1-31.....	1		
Cass.....	Aug. 1-31.....	1		
Douglas.....	Apr. 1-30.....	1		
Grant.....	Aug. 1-31.....	3		
Josephine.....	do.....	1		
Linn.....	Apr. 1-July 31.....	2		
Morrow.....	May 1-31.....	1		
Multnomah.....	Apr. 1-July 31.....	15		
Union.....	June 1-30.....	1		
Wasco.....	do.....	8		
Washington.....	Apr. 1-June 30.....	7		
Yamhill.....	June 1-30.....	1		
Total for State.....		43		
Pennsylvania.....	May 1-June 30.....	79		
*Rhode Island:				
Providence.....	June 15-July 14.....	3		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Oct. 27, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
*South Carolina:				
Port Royal.....	July 22.....	1		
South Dakota:				
Counties—				
Aurora.....	June 1–July 31....	3		
Beadle.....	May 1–31.....	13		
Brookings.....	Apr. 1–30.....	9		
Brown.....	Apr. 1–June 30....	10		
Brule.....	Apr. 1–May 21....	6		
Charles Mix.....	June 1–30.....	1		
Codington.....	June 1–Aug. 31....	8		
Davison.....	May 1–July 31....	7		
Day.....	June 1–30.....	1		
Dewey.....	June 1–Aug. 31....	5		
Fall River.....	Apr. 1–May 31....	18		
Grant.....	do.....	4		
Hanson.....	May 1–31.....	1		
Hughes.....	June 1–30.....	1		
Hutchinson.....	Apr. 1–Aug. 31....	2		
Jerauld.....	May 1–June 30....	6		
Kingsbury.....	Apr. 1–May 31....	8		
Lawrence.....	Apr. 1–July 31....	7		
Lincoln.....	do.....	1		
Lyman.....	Apr. 1–May 31....	16	1	
McCook.....	do.....	11		
Miner.....	Apr. 1–June 30....	5		
Minnehaha.....	do.....	15		
Pennington.....	do.....	48		
Sanborn.....	May 1–31.....	3		
Spink.....	Apr. 1–Aug. 31....	9		
Tripp.....	Apr. 1–June 30....	7		
Turner.....	July 1–31.....	5		
Total for State.....		230	1	
*Tennessee:				
Counties—				
Knox—				
Knoxville.....	June 18–July 22...	9		
Shelby.....	June 1–Aug. 31....	10		
Total for State.....		19		
Texas.....	(May 1–31.....	12		
Counties—	{ July 1–31.....	1	1	
Brazoria.....	Aug. 1–31.....	2		
Bell.....	June 1–30.....	2		
Cameron.....	May 1–Aug. 31....	34		
Childress.....	June 1–30.....	1		
Collin.....	May 1–31.....	5		
Dallas.....	do.....	13		
Denton.....	do.....	1		
Denton.....	{ Apr. 1–30.....	4		
Eastland.....	Aug. 1–31.....	5		
El Paso.....	May 1–July 31....	11		
Floyd.....	May 1–31.....	3		
Galveston.....	May 1–June 30....	7		
Hall.....	do.....	4		
Harris.....	May 1–Aug. 31....	6		
Hidalgo.....	May 1–31.....	3		
Hunt.....	June 1–July 31....	5		
Marion.....	May 1–31.....	1		
McLennan.....	do.....	1		
Navarro.....	do.....	32		
Nueces.....	do.....	5		
Tarrant.....	May 1–June 30....	9		
Titus.....	May 1–31.....	5		
Victoria.....	July 1–31.....	1		
Wayne.....	June 1–30.....	5		
Wichita.....	May 1–31.....	6		
Total for State.....		184	1	

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received from July 1 to Oct. 27, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Utah:</b>				
Counties—				
Beaver.....	May 1-July 31.....	18		
Boxelder.....	do.....	31		
Cache.....	May 1-June 30.....	14		
Carbon.....	May 1-Sept. 30.....	118	2	
Emery.....	do.....	93	1	
Garfield.....	May 1-Aug. 31.....	20		
Juab.....	July 1-Sept. 30.....	6		
Piute.....	May 1-31.....	9		
Rich.....	July 1-31.....	16		
Salt Lake.....	May 1-Sept. 30.....	41		
Sanpete.....	do.....	65		
Sevier.....	do.....	50		
Tooele.....	May 1-June 30.....	33		
Uinta.....	May 1-Sept. 30.....	18		
Utah.....	May 1-July 31.....	18	1	
Washington.....	do.....	1		
Weber.....	do.....	11		
Total for State.....		562	4	
<b>Virginia:</b>				
Counties—				
Augusta.....	Aug. 1-Sept. 30.....	4		
Brunswick.....	Mar. 1-May 31.....	49		
Campbell.....	May 1-Aug. 31.....	2		
Chesterfield.....	Sept. 1-30.....	1		
Dinwiddie.....	Apr. 1-May 31.....	19		
Essex.....	Aug. 1-31.....	1		
Fairfax.....	Mar. 1-Aug. 31.....	6		
Fauquier.....	Apr. 1-May 30.....	6		
Grayson.....	Sept. 1-30.....	2		
Greenville.....	July 1-31.....	4		
Halifax.....	Aug. 1-31.....	1		
Hanover.....	Mar. 1-July 31.....	3		
Henrico.....	Mar. 1-Aug. 31.....	17		
Henry.....	do.....	77		
Iste of Wight.....	May 1-31.....	1		
Lancaster.....	do.....	1		
Lee.....	Mar. 1-Aug. 31.....	107		
Loudoun.....	Mar. 1-31.....	1		
Mecklenburg.....	Mar. 1-June 30.....	18		
Nansemond.....	Mar. 1-Sept. 30.....	27		
Norfolk.....	Apr. 1-May 31.....	26		
Northampton.....	Apr. 1-30.....	1		
Page.....	do.....	8		
Pittsylvania.....	Mar. 1-July 31.....	46		
Prince William.....	Mar. 1-31.....	1		
Princess Anne.....	do.....	1		
Roanoke.....	May 1-3.....	1		
Southampton.....	Mar. 1-Sept. 30.....	12		
Spottsylvania.....	Sept. 1-30.....	1		
Surry.....	Mar. 1-31.....	2		
Sussex.....	Mar. 1-June 30.....	7		
Wise.....	do.....	15		
Total for State.....		468		
<b>Washington:</b>				
Counties—				
Adams.....	June 1-30.....	1		
Benton.....	July 1-31.....	2		
Chehalis.....	May 1-July 31.....	4		
Chelan.....	do.....	2		
Clallam.....	June 1-30.....	2		
Columbia.....	May 1-31.....	5		
Cowlitz.....	May 1-July 31.....	4		
Garfield.....	do.....	5		
King.....	May 1-June 30.....	78		
Kitsap.....	June 1-30.....	2		
Kittitas.....	July 1-31.....	2		
Lewis.....	June 1-30.....	2		
Mason.....	May 1-June 30.....	33		
Okanogan.....	June 1-30.....	2		
Pierce.....	May 1-July 31.....	11		
San Juan.....	May 1-31.....	1		
Skagit.....	May 1-July 31.....	5		
Skamania.....	June 1-30.....	1		
Spokane.....	May 1-July 31.....	9		

## SMALLPOX IN THE UNITED STATES—Continued.

Reports Received From July 1 to Oct. 27, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Washington—Continued.</b>				
<b>Counties—Continued.</b>				
Thurston.....	May 1-31.....	1		
Whatcom.....	do.....	5		
Whitman.....	do.....	17		
Yakima.....	May 1-July 31.....	69		
<b>Total for State.....</b>		<b>263</b>		
<b>Wisconsin.....</b>				
<b>Counties—</b>				
Ashland.....	June 1-30.....	1		July 1-31, no cases.
Barron.....	June 1-Aug. 31.....	4		
Douglas.....	June 1-Sept. 30.....	22		
Iowa.....	June 1-30.....	8		
Milwaukee.....	do.....	1		
Pierce.....	Aug. 1-Sept. 30.....	10		
Vilas.....	June 1-30.....	1		
Wood.....	June 1-Sept. 30.....	11		
<b>Total for State.....</b>		<b>58</b>		
<b>Grand total for the United States.....</b>		<b>4,513</b>	<b>34</b>	

## PLAGUE IN THE UNITED STATES.

Reports Received from July 25 to Oct. 27, 1911.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>California.</b>				
<b>Counties—</b>				
<b>Alameda—</b>				
Oakland.....	Aug. 9.....	1		Infection received at Pinole Canyon, Contra Costa County, Cal. 1 mile nw. of Lafayette. 2 miles ne. of Ripon.
Contra Costa.....	July 25-26.....	1	1	
San Joaquin.....	Sept. 18.....	1		

## MORBIDITY AND MORTALITY.

MORBIDITY AND MORTALITY TABLE, CITIES OF THE UNITED STATES, FOR WEEK ENDED OCT. 14, 1911.

Cities.	Popula- tion, United States census 1910.	Total deaths from all causes.	Diph- theria.		Measles.		Scarlet fever.		Small- pox.		Tuber- culosis.		Ty- phoid fever.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
<i>Cities having over 500,000 inhabitants.</i>														
Baltimore, Md.....	558,485	197	27	3	2		18				26	22	30	6
Boston, Mass.....	670,585	189	53		37	1	30	1			62	12	17	7
Chicago, Ill.....	2,185,283		185	22	23		81	3			152	53	45	3
Cleveland, Ohio.....	560,663	142	56	3	3		31	5			23	14	6	6
New York, N. Y.....	4,766,883	1,299	177	17	81	3	91	2			403	148	95	22
Philadelphia, Pa.....	1,549,008	471	76	11	5		21				89	57	28	5
Pittsburgh, Pa.....	533,905	169	58	3	14	1	17				29	10	19	3
St. Louis, Mo.....	687,029	168	25	2	2		10	1			38	12	14	2

MORBIDITY AND MORTALITY—Continued.

Morbidity and mortality table, cities of the United States, for week ended Oct. 14, 1911—Continued.

Cities.	Popula- tion, United States census 1910.	Total deaths from all causes.		Diph- theria.		Measles.		Scarlet fever.		Small- pox.		Tuber- culosis.		Ty- phoid fever.	
		Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
<i>Cities having from 300,000 to 500,000 inhabitants.</i>															
Buffalo, N. Y.	423,715	124	23	1	5	8	1			20	14	15	1		
Cincinnati, Ohio	364,463	112	23	3	3	23				22	14	6			
Detroit, Mich.	465,766	116	37	5		15	1	1							
Los Angeles, Cal.	319,198	82	8	1	1					35	11	12	2		
Milwaukee, Wis.	373,857	87	14	1	3	35	1			20	4	5			
Newark, N. J.	347,469	93	42	2		4				36	13	2	2		
New Orleans, La.	339,075	115	5	1		19				16	12	10	3		
San Francisco, Cal.	416,912	121	2		29	1				16	13	9	2		
Washington, D. C.	331,069	131	13		1	4				20	19	26			
<i>Cities having from 200,000 to 300,000 inhabitants.</i>															
Denver, Colo.	213,381	51	30	1	1	7		1			7			1	
Jersey City, N. J.	267,779	75		1							7			1	
Providence, R. I.	224,326	49	19	4		10					5	5			
<i>Cities having from 100,000 to 200,000 inhabitants.</i>															
Bridgeport, Conn.	102,054	21	2							1	1				
Cambridge, Mass.	104,839	36	4	1		4				3	7	1		1	
Columbus, Ohio	181,548	53	10	1	1	12				5		2	4	1	1
Dayton, Ohio	118,577	34	3									2	2	1	1
Fall River, Mass.	119,295	30	1		2	3				3	4	4	8		1
Grand Rapids, Mich.	112,571	29	1		1					4	4	4	2		
Lowell, Mass.	106,294	42	1		2	6						4	4		
Nashville, Tenn.	110,364	36	5			3				5	4	2	18		1
Omaha, Nebr.	124,096	5	10	1		1					2	2	4		1
Spokane, Wash.	104,402		1		1	1	1	2			4	2	20		3
Toledo, Ohio	168,497	42	16	2	1	16					4	2			3
Worcester, Mass.	145,966	37	17	3		8				7	2	1			
<i>Cities having from 50,000 to 100,000 inhabitants.</i>															
Altoona, Pa.	52,127	2	2								1		2		
Bayonne, N. J.	55,545										1		2		
Brockton, Mass.	56,878	8				1				4			2		
Camden, N. J.	94,538	2	1	2		4							3		
Covington, Ky.	53,270	16	4	1		3				1	1		4		
Duluth, Minn.	78,466	14	1			1		1		2	5	6	1		
Elizabeth, N. J.	73,409	16	2	1						2	4	1	1		
Erie, Pa.	66,525	17	1							2	4	4			
Evansville, Ind.	69,647	17	4							1	1	1			
Harrisburg, Pa.	64,186	17	4							10	1	1	1		1
Hartford, Conn.	98,915	37	9	1		6	1			2	2	3	2		
Jacksonville, Fla.	57,699		1		2	2		5		2	3	2			
Johnstown, Pa.	55,482	22	4	3		2	1			7	3	3			
Kansas City, Kans.	82,331		4			1		2				3			
Lawrence, Mass.	85,892	20				2				1	3				
Lynn, Mass.	89,336	23	1	5		1		3			9	1			
Manchester, N. H.	70,063	20	2							1	1	1			
New Bedford, Mass.	96,652	18									1	1			
Oklahoma City, Okla.	64,205	12	1			2				1	1	11	1		
Passaic, N. J.	54,773	18	4		1	1					1	1			
Peoria, Ill.	66,950	16	2					1		27	2	4	1		
Reading, Pa.	96,071	27	8	1	2	11					2	4	1		
San Antonio, Tex.	96,614	29									7	8	2		
Schenectady, N. Y.	72,826	10				1				5		3			
South Bend, Ind.	53,684	18	2			1				1	3	4			
Springfield, Ill.	51,678	15										7			
Springfield, Mass.	88,926	21			8	1				4		4	1		
Terre Haute, Ind.	58,157	20	4	1						1	1				
Trenton, N. J.	96,815	43	3			9	2			1	4	6			
Wilkes-Barre, Pa.	67,105	20	8	1		1				7					
Wilmington, Del.	87,411	22									1				1
Yonkers, N. Y.	79,803	19	3		2	7				2	1	1			

## MORBIDITY AND MORTALITY—Continued.

Morbidity and mortality table, cities of the United States, for week ended Oct. 14, 1911—Continued.

Cities.	Population, United States census 1910.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Small pox.		Tuberculosis.		Typhoid fever.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
<i>Cities having from 25,000 to 50,000 inhabitants.</i>														
Atlantic City, N. J.	46,150	9	7				3						1	
Aurora, Ill.	29,807	10	2								1		1	
Brookline, Mass.	27,792	7					2							
Butte, Mont.	39,165	15					2					2		
Chattanooga, Tenn.	44,604		2	1			2						1	
Chelsea, Mass.	32,452	17	1	1			4				1		3	1
Chicopee, Mass.	25,401	6					2				1			
Danville, Ill.	27,871	8	4				1					1		1
Dubuque, Iowa.	38,494	6	10	1								1		
East Orange, N. J.	34,371	7	1	1										
Elmira, N. Y.	37,176	13	1	1			1						1	1
El Paso, Tex.	39,279	11	2						1			1	4	1
Everett, Mass.	33,484	8	2	1			1				1		4	1
Haverhill, Mass.	44,115	9									2		1	1
Kalamazoo, Mich.	39,437	10									1		1	
Knoxville, Tenn.	36,346	8	1	1										
La Crosse, Wis.	30,417						2					2		1
Lancaster, Pa.	47,227		4								1		1	
Lexington, Ky.	35,099	9	3								1	1	1	
Lynchburg, Va.	29,494	9	6		1		2				1		7	
Malden, Mass.	44,404	8	3								2		1	
Montgomery, Ala.	38,136	13	5				2				1	1	3	1
Mount Vernon, N. Y.	30,919		3	1	2		2							
Newcastle, Pa.	36,280		58				4							8
Newport, Ky.	30,309	7	9											
Newton, Mass.	39,806	5	2		28		2							
Niagara Falls, N. Y.	30,445	7	9		2		5				3		6	
Norristown, Pa.	27,875	11	1	1	1									1
Orange, N. J.	29,630	9	2				5				3		1	2
Pasadena, Cal.	30,291	10					1					4		
Pittsfield, Mass.	32,121	10									1			2
Portsmouth, Va.	33,190	9	4											2
Racine, Wis.	38,002	12	2											2
Rockford, Ill.	45,401	16	4						1			2	12	
Salem, Mass.	43,697	12	1									1	2	1
San Diego, Cal.	39,578	19					1						1	4
South Omaha, Nebr.	26,259	8									1		1	
Superior, Wis.	40,384	9	6	2			1		2					
Taunton, Mass.	34,259	13									1		2	
Waltham, Mass.	27,834	15										2		
West Hoboken, N. J.	35,403		1									1		
Wheeling, W. Va.	41,641	17	9		2						2		1	6
Williamsport, Pa.	31,860	6										1		
Wilmington, N. C.	25,748	14										1		
York, Pa.	44,750										1			3
Zanesville, Ohio.	28,026	10	3									1		1
<i>Cities having less than 25,000 inhabitants.</i>														
Ann Arbor, Mich.	14,817	7	1	1			2							
Beaver Falls, Pa.	12,191	3					1				2			2
Bennington, Vt.		2												
Braddock, Pa.	19,957	6	10	1			1					1	1	
Butler, Pa.	20,782	7	3								4			2
Cambridge, Ohio	11,327	1					1							2
Camden, S. C.		2					2							
Carbondale, Pa.	17,040	12					2							
Clinton, Mass.	13,075	4										1		
Coffeyville, Kans.	12,687		1	1			1				1		1	4
Columbus, Ga.	20,554	3										1		
Columbus, Ind.		3												
Concord, N. H.	21,497	8												1
Cumberland, Md.	21,839	7	4				4							8
Dunkirk, N. Y.		3									1			
Galesburg, Ill.	22,089	6	3	1			3							
Harrison, N. J.	14,498	3												
Homestead, Pa.	18,713	5	7	1							1			

MORBIDITY AND MORTALITY—Continued.

*Morbidity and mortality table, cities of the United States, for week ended Oct. 14, 1911—Continued.*

Cities.	Population United States census 1910.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Small-pox.		Tuberculosis.		Typhoid fever.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
<i>Cities having less than 25,000 inhabitants—Continued.</i>														
Hyde Park, Mass.....	15,507	3												
Kearny, N. J.....	18,659	4			1						1			
La Fayette, Ind.....	12,081	1												
Lebanon, Pa.....	19,240	19	1										3	
Marinette, Wis.....	14,610	2				1				1				
Marlboro, Mass.....	14,579	1	1											
Massillon, Ohio.....	13,879	3												
Medford, Mass.....	23,150	7	3											
Melroe, Mass.....	15,715	5	1											
Moline, Ill.....	24,199	10											3	1
Morristown, N. J.....	12,507	4								1				
Nanticoke, Pa.....	18,877	4	1											
Newburyport, Mass.....	19,940	5											1	
North Adams, Mass.....	22,019	9	1											
Northampton, Mass.....	19,431	5								1			1	
Palmer, Mass.....		4												
Peekskill, N. Y.....		7										1		
Plainfield, N. J.....	20,550	2			2									
Rutland, Vt.....	13,546	4												
Sandusky, Ohio.....	19,989	1												
Saratoga Springs, N. Y.....		4												
South Bethlehem, Pa.....	19,973	8	2								1		1	1
Steilton, Pa.....	14,246	3	7	1	1		1			7				
Warren, Pa.....	11,080	4												
Wilkinsburg, Pa.....	18,924	5								1			1	
Woburn, Mass.....	15,308	3											1	

STATISTICAL REPORTS OF MORBIDITY AND MORTALITY, STATES OF THE UNITED STATES (untabulated).

COLORADO.—Three months ended June 30, 1911. Population, 799,024. Total number of deaths from all causes 2,533, including diphtheria 15, measles 58, scarlet fever 21, tuberculosis 471. Cases reported: Diphtheria 170, measles 1,788, scarlet fever 514, smallpox 512, typhoid fever 142.

FLORIDA.—Week ended September 16, 1911. Reports from the State board of health show diphtheria present in 5 localities, with 6 cases, malaria in 3 localities with 10 cases, smallpox in 4 counties with 12 cases, tuberculosis in 11 localities with 20 cases, and typhoid fever in 5 localities with 10 cases.

IOWA.—Month of August, 1911. Population, 2,224,771. Total number of deaths from all causes 2,653, including diphtheria 12, measles 3, scarlet fever 4, tuberculosis 318, typhoid fever 102. Cases reported: Diphtheria 135 in 34 counties, smallpox 31 in 13 counties, typhoid fever 534 in all but 9 counties.

MARYLAND.—Month of July, 1911. Population, 1,295,346. Total number of deaths from all causes 1,081, including diphtheria 3,

measles 2, scarlet fever 3, tuberculosis 100, typhoid fever 18. Cases reported: Diphtheria 31, measles 76, scarlet fever 22, smallpox 1, typhoid fever 163.

MASSACHUSETTS.—Week ended August 5, 1911. Population of reporting towns, 2,565,623. Total number of deaths from all causes 750, including diphtheria 6, measles 2, scarlet fever 3, tuberculosis 59, typhoid fever 4. Cases reported: Diphtheria 78, measles 76, scarlet fever 51, tuberculosis 132, typhoid fever 63.

Week ended August 12, 1911. Total number of deaths from all causes 806, including diphtheria 6, measles 3, scarlet fever 2, tuberculosis 61, typhoid fever 4. Cases reported: Diphtheria 64, measles 56, scarlet fever 41, tuberculosis 122, typhoid fever 69.

Week ended August 19, 1911. Total number of deaths from all causes 760, including diphtheria 3, measles 2, scarlet fever 1, tuberculosis 74, typhoid fever 6. Cases reported: Diphtheria 88, measles 58, scarlet fever 46, tuberculosis 145, typhoid fever 82.

Week ended August 26, 1911. Total number of deaths from all causes 734, including diphtheria 7, measles 2, scarlet fever 1, tuberculosis 49, typhoid fever 5. Cases reported: Diphtheria 82, measles 46, scarlet fever 52, tuberculosis 101, typhoid fever 77.

NEW YORK.—Month of August, 1911. Population 9,113,614. Total number of deaths from all causes 11,553, including diphtheria 125, measles 54, scarlet fever 23, tuberculosis 1,267, typhoid fever 165. Cases reported: Diphtheria 1,337, measles 1,019, scarlet fever 480, smallpox 14, tuberculosis 3,023, typhoid fever 1,376.

TEXAS.—Month of August, 1911. Population 3,896,542. Total number of deaths from all causes 2,143, including diphtheria 23, measles 5, scarlet fever 5, tuberculosis 220, typhoid fever 97, typhus fever 1. Cases reported: Diphtheria 50, scarlet fever 23, smallpox 16, tuberculosis 72, typhoid fever 130.

UTAH.—Month of August, 1911. Population 373,351. Total number of deaths from all causes 276, including diphtheria 3, scarlet fever 2, smallpox 1, tuberculosis 7, typhoid fever 4. Cases reported: Diphtheria 29, measles 36, scarlet fever 62, smallpox 62, tuberculosis 7 (incomplete), typhoid fever 88.

# FOREIGN AND INSULAR.

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## AUSTRIA-HUNGARY.

### Status of Cholera.

The following information was received from Chargé d'Affaires Grew, at Vienna:

One fatal case of cholera was officially reported in Austrian territory from September 18 to 24. The case occurred at Prellenkirchen.

In Hungary during the week ended September 23, 19 cases of cholera with 9 deaths were reported. Of these cases 3 each occurred in Budapest and Ujpest, the remaining cases being scattered. During the early stages of the outbreak in Hungary the disease appeared to be confined almost entirely to the personnel of the vessels plying on the Danube. Since these were placed under medical inspection no further cases have appeared among them.

Further information received from Chargé d'Affaires Grew, dated October 9, shows the occurrence of 29 new cases of cholera with 14 deaths in Hungary from September 24 to 30. Of these, 14 cases occurred at Ujpest. The remainder of the cases were scattered.

## BULGARIA.

### Cholera.

The following information was received from the minister of foreign affairs at Sofia:

Five cases of cholera were reported at Sosopolis, a port of the Black Sea, during the period from September 18 to 29. The cases were bacteriologically verified. The patients and contacts were isolated and rigorous measures adopted to prevent the spread of the disease to the surrounding country.

Further information received from the foreign office shows a total of 12 cases of cholera with 4 deaths at Sosopolis to October 7.

## FRANCE.

### Marseille—Status of Cholera.

Information has been received from the ministry of foreign affairs at Paris that from September 21 to 30, 20 cases of cholera, bacteriologically verified, were reported at Marseille.

According to information received from the American embassy at Paris, no case of cholera was reported at Marseille from October 18 to 26.

NOTE.—No information has been received of the number of cases of cholera which occurred from September 1 to 20, and from October 1 to 18.

## HAWAII.

## Case of Plague at Kapulena.

Dr. Ramus reports, October 28, the occurrence of a case of plague at Kapulena, Hawaii.

## Yellow Fever in Quarantine Employee.

Dr. Ramus reports, October 28, that a quarantine employee detailed as guard on the steamship *Hongkong Maru* has sickened with yellow fever. The *Hongkong Maru* arrived at Honolulu October 21 from **Manzanillo, Mexico**, with a convalescent case of yellow fever aboard. The vessel was placed in quarantine.

## ITALY.

## Status of Cholera.

Passed Asst. Surg. Robinson, at Naples, reports, October 10 and 18: During the period from September 24 to 30 there were reported in all Italy 454 cases of cholera, with 116 deaths, occurring as follows: Naples Province, 4 cases with 1 death; Naples city, 11 cases with 1 death; Genoa Province, 5 cases with 2 deaths; Palermo Province, 3 cases with 3 deaths; Palermo city, 14 cases with 4 deaths; Catania Province, 24 cases with 4 deaths; Catania city, 11 cases with 4 deaths; Rome Province, 63 cases with 19 deaths; Rome city, 4 cases with 3 deaths; rest of Italy (28 provinces), 315 cases with 75 deaths.

The cases and deaths reported for the province of Rome include 44 cases with 12 deaths, which occurred in a hospital for the insane at Gianicolo. The asylum was completely isolated to prevent spread of the disease.

During the period from October 1 to 7 cholera was reported in Italy as follows: All Italy, 336 cases with 89 deaths; Naples city, 2 cases; Naples Province, 5 cases with 1 death; Genoa city, 3 cases; Genoa Province, 1 case; Catania city, 17 cases with 3 deaths; Catania Province, 33 cases with 15 deaths; Palermo city, 4 cases with 2 deaths; Palermo Province, 11 cases with 4 deaths; Rome city, 12 cases with 7 deaths; Rome Province, 23 cases with 6 deaths; in 23 other provinces of Italy, 225 cases with 51 deaths.

The cases in the Province of Rome included 6 cases with 4 deaths in the hospital for the insane at Gianicolo.

## Naples and Palermo—Examination of Emigrants.

Dr. Robinson reports:

*Vessels inspected at Naples and Palermo week ended Oct. 7.*

## NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage disinfected.	Pieces of second-cabin baggage disinfected.
Oct. 4	Romanic.....	Boston.....	497	840	255

## PALERMO.

Oct. 1	Sant'Anna.....	New York....	345	625	.....
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*Vessels inspected at Naples and Palermo week ended Oct. 14.*

## NAPLES.

Date.	Name of ship.	Destination.	Steerage passengers inspected and passed.	Pieces of baggage disinfected.	Pieces of second-cabin baggage disinfected.
Oct. 11	Italia.....	New York....	267	655	.....
12	Oceania.....	do.....	803	1,370	340
12	Sicania.....	do.....	.....	.....	.....
14	Cretic.....	do.....	447	945	285
	Total.....	.....	1,517	2,970	625

## PALERMO.

Oct. 11	Martha Washington.....	New York....	.....	.....	450
12	Italia.....	do.....	359	550	.....
13	Dora Baltea.....	New Orleans..	.....	.....	.....
	Total.....	.....	359	550	450

## MALTA.

## Cholera.

The American consul reported November 1 the presence of 2 cases of cholera in the harbor of Malta. The cases were isolated.

## MEXICO.

## Yellow Fever at Merida.

During the week ended October 21, 1 case of yellow fever with 1 death was reported. The total number of cases from August 1, when the first case occurred, to October 21, was 36, with 14 deaths.

## NEW ZEALAND.

## Auckland—Examination of Rats.

The following information was taken from bulletins issued by the department of public health of New Zealand:

During the four weeks ended September 16, 423 rats were examined for plague infection. No plague-infected rat was found.

The last case of human plague was reported May 8, 1911.

The last plague-infected rat was found May 31, 1911.

## ROUMANIA.

## Summary of Cholera.

The following information was received from the director of the sanitary service:

From September 11, when cholera was reported at Braila, to September 19, there were reported 18 cases with 13 deaths. The cases were distributed as follows:

One case on board a tug arriving from Hungary, 1 on an Ottoman vessel stationed at Galatz, 1 in the commune of Regeli Carol, district of Tulcea, and the remainder in the vicinity of Braila.

## TUNIS.

## Status of Cholera.

The following information was received from the ministry for foreign affairs at Paris:

From September 20 to 26, 1911, 662 cases of cholera with 437 deaths were reported in the regency of Tunis. Of these, 133 cases with 69 deaths occurred in the city and district of Tunis.

## ZANZIBAR.

## Zanzibar—Examination of Rats.

Consul Weddell reports:

During the three weeks ended September 7, 4,238 rats were examined for plague infection. No plague-infected rat was found.

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX.

## Reports Received During Week Ended Nov. 3, 1911.

[These tables include cases and deaths recorded in reports received by the Surgeon General, Public Health and Marine-Hospital Service, from American consuls through the Department of State, and from other sources.]

## CHOLERA.

Places.	Date.	Cases.	Deaths.	Remarks.
Austria-Hungary:				From Sept. 16-23, 28 cases were reported in scattered territory.
Budapest .....	Sept. 16-30 .....	3	1	
Prellenkirchen .....	Sept. 18-24 .....	1	1	
Ujpest .....	Sept. 16-30 .....	17		
Bulgaria:				
Sosopolis .....	Sept. 16-Oct. 7 .....	20		
France:				
Marseille .....	Sept. 21-28 .....	20		Number of cases occurring from Sept. 1 to 20 not reported.
Italy .....				Total, Sept. 24-30: cases 454; deaths 116. Oct. 1-7: 336 cases; 89 deaths.
Provinces—				
Catania .....	Sept. 24-30 .....	24	4	
Catania .....	do .....	11	4	
Genoa .....	do .....	5	2	
Naples .....	do .....	4	1	
Naples .....	do .....	11	1	
Palermo .....	do .....	3	3	
Palermo .....	do .....	14	4	
Rome .....	do .....	63	19	44 cases with 12 deaths occurred in an insane asylum.
Rome .....	do .....	4	3	
28 other Provinces .....	do .....	315	75	
Catania .....	Oct. 1-7 .....	33	15	
Catania .....	do .....	17	3	
Genoa .....	do .....	1		
Genoa .....	do .....	3		
Naples .....	do .....	5	1	
Naples .....	do .....	2		
Palermo .....	do .....	11	4	
Palermo .....	do .....	4	2	
Rome .....	do .....	23	6	
Rome .....	do .....	12	7	6 cases with 4 deaths occurred in an insane asylum.
23 other Provinces .....	do .....	225	51	
Java:				
Batavia .....	Sept. 9-16 .....	15	5	
Malta:				
Malta .....	Nov. 1 .....	2		
Straits Settlements:				
Singapore .....	Sept. 2-9 .....	4	2	
Tunis, Regency .....	Sept. 20-26 .....	509	368	Not including cases and deaths in Tunis city.
Tunis .....	do .....	153	69	
Turkey:				
Constantinople .....	Oct. 1-8 .....		128	
Dardanelles .....	Sept. 23-30 .....		2	

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received During Week Ended Nov. 3, 1911.

## YELLOW FEVER.

Places.	Date.	Cases.	Deaths.	Remarks.
Mexico:				
Merida.....	Oct. 14-21.....	1	1	
Hawaii:				
Honolulu.....	Oct. 28.....	1	.....	Case in quarantine employe detailed as guard on the s. s. Hongkong Maru.

## PLAGUE.

Places.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Rio de Janeiro.....	Sept. 9-23.....	2	.....	
Hawaii:				
Kapulena.....	Sept. 28.....	1	1	
Java:				
Batavia.....	Sept. 9-16.....	21	10	
Zanzibar:				
Zanzibar.....	Sept. 7-14.....	2	2	

## SMALLPOX.

Places.	Date.	Cases.	Deaths.	Remarks.
Argentina:				
Buenos Aires.....	July 1-31.....	.....	35	
Brazil:				
Rio de Janeiro.....	Sept. 9-23.....	3	1	
Canada:				
Quebec.....	Oct. 14-21.....	.....	5	
Chile:				
Talcahuano.....	Sept. 9-23.....	16	2	
Gibraltar.....	Oct. 1-8.....	1	.....	
Java:				
Batavia.....	Sept. 9-16.....	5	1	
Mexico:				
Ciudad Juarez.....	Oct. 14-21.....	1	1	
San Luis Potosi.....	Sept. 23-30.....	2	.....	
Portugal:				
Lisbon.....	Oct. 1-7.....	3	.....	
Russia:				
St. Petersburg.....	Sept. 23-30.....	3	1	
Turkey:				
Constantinople.....	Oct. 1-8.....	.....	1	
Zanzibar:				
Zanzibar.....	Sept. 9-15.....	1	.....	

## Reports Received from July 1 to Oct. 27, 1911.

[For reports received from Dec. 31, 1910, to June 30, 1911, see Public Health Reports for June 30, 1911. In accordance with custom, the tables of epidemic diseases are terminated semiannually and new tables begun.]

## CHOLERA.

Places.	Date.	Cases.	Deaths.	Remarks.
Arabia:				
Hodeida.....	June 16-30.....	21	17	Among the civil and the military population. Aug. 5, present among troops.
Austria-Hungary.....				Total Austria-Hungary, May 24-Sept. 17, 73 cases, 30 deaths.
Arbe Salle Sampiero.....	Aug. 21-Sept. 17..	6	3	District of Zara.
Budafolk.....	Sept. 9-16.....	1	.....	
Budapest.....	Aug. 24-Sept. 16..	12	3	
Capodistria.....	July 23-Sept. 10..	9	5	
Cattaro.....	July 6-20.....	4	1	
Cittanuova.....	Aug. 21-27.....	1	1	
Czarp.....	Aug. 24-Sept. 9..	1	.....	
Draga.....	Sept. 7.....	1	.....	
Fiume.....	Aug. 9-17.....	3	.....	
Krimeja.....	Sept. 7.....	1	.....	
Krizovljan.....	Aug. 28-Sept. 3..	2	.....	

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from July 1 to Oct. 27, 1911.

## CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Austria-Hungary—Continued.</b>				
Muggia.....	Aug. 7-13.....	2	1	
Nagykeszi.....	Sept. 9-16.....	3	1	
Suly.....	Sept. 2-9.....	3	1	
Susac-Draga.....	Aug. 28-Sept. 7.....	2	2	
Trieste.....	June 4-Aug. 26.....	42	16	July 8, the second case from s. s. Oceania. Case July 21, from s. s. Bandiera Moro.
Ujpest.....	Aug. 24-Sept. 16.....	17	5	
Vienna.....	Aug. 14-Sept. 17.....	5	2	
Vukovar.....	Sept. 8-9.....	2	2	
Waltendorf.....	May 31.....	1	1	Second case. Near Gratz.
<b>Bulgaria:</b>				
Kalondjik.....	June 18-20.....	1	1	Vicinity of Choumen. From the ship Cyrille, bound from the coast of Asia Minor.
Varna.....	July 4-Aug. 5.....	2	2	From Asia Minor via Constantinople.
<b>Ceylon:</b>				
Colombo.....	May 21-July 29.....	16	11	
<b>China.</b>				
Amoy.....	May 28-July 1.....		4	Aug. 5, present.
Hankow.....	July 22.....			Present.
Holhow.....	June 2.....			Do.
<b>Manchuria—</b>				
Dalny.....	Aug. 19-Sept. 2.....	35	19	Sept. 5, present.
Kinchow.....	Aug. 15-Sept. 2.....	10		
Nanking.....	July 22-Aug. 19.....			Present.
Swatow.....	July 22-Aug. 26.....			Do.
<b>Dutch East Indies.</b>				
<b>Java—</b>				
Batavia.....	May 14-Sept. 2.....	223	203	
Beloe.....	June 15-28.....			Present.
Surabaya.....	Apr. 10-May 6.....	44	22	
<b>France:</b>				
Marseille.....	June 26-Aug. 31.....		76	Mainly in the asylum. To Aug. 23: Cases, 95; deaths, 35.
<b>Greece:</b>				
Laurium.....	July 5-8.....	3	1	Case July 5, from a German vessel via Naples.
Piræus, quarantine station.	July 30-Aug. 8.....	3		Case July 30, from s. s. Margarita.
<b>India:</b>				
Bassein.....	May 7-July 8.....	2	2	
Bombay.....	June 25-Sept. 23.....	4	5	
Calcutta.....	May 7-Sept. 9.....		482	
Madras.....	June 4-Sept. 23.....	21	13	May 1-July 31: Cases, 17,559; deaths, 9,514.
Moulmine.....	May 7-June 17.....	4	4	
Negapatam.....	June 11-July 15.....		35	
Rangoon.....	May 1-June 30.....	31	26	
<b>Indo-China:</b>				
Saigon.....	May 15-Sept. 10.....	82	52	And vicinity.
<b>Italy.</b>				
<b>Provinces—</b>				
Alessandria.....	Aug. 1-Sept. 16.....	114	33	
Aquila.....	do.....	109	49	
Avellino.....	July 12-Sept. 16.....	206	74	
Bari.....	Aug. 27-Sept. 16.....	271	55	
Benevento.....	July 22-Sept. 16.....	96	24	
Bergamo.....	Aug. 27-Sept. 16.....	43	8	
Bologna.....	do.....	26	5	
Cagliari.....	Aug. 27-Sept. 2.....	114	39	
Caltanissetta.....	July 17-Sept. 16.....	190	37	
Campobasso.....	do.....	707	268	
Caserta.....	June 18-Sept. 16.....	1,776	679	
Catania.....	July 22-Sept. 23.....	756	333	
Catanzaro.....	July 26-Sept. 16.....	135	62	
Chieti.....	Aug. 1-Sept. 16.....	108	45	
Casoria.....	Sept. 3-9.....	125	37	
Cosenza.....	Aug. 20-Sept. 16.....	103	523	
Ferrara.....	Aug. 27-Sept. 2.....	26	14	
Florence.....	Sept. 3-9.....	4	1	
Foggia.....	Aug. 20-Sept. 16.....	179	88	
Forlì.....	Aug. 27-Sept. 16.....	36	16	
Genoa.....	July 21-Sept. 23.....	390	119	
Genoa, city.....	July 13-Sept. 23.....	263	130	
Girgenti.....	July 22-Sept. 16.....	126	49	
Total for Italy, June 8-Sept. 23: Cases, 14,031; deaths, 5,261.				

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from July 1 to Oct. 27, 1911.

## CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Italy—Continued.</b>				
<b>Provinces—Continued.</b>				
Lecce.....	Aug. 27-Sept. 16...	88	28	
Leghorn.....	July 13-Sept. 16...	767	380	
Luoca.....	Aug. 1-Sept. 16...	10	3	
Massa.....	Aug. 13-Sept. 16...	66	39	
Messina.....	July 17-Sept. 16...	128	40	
Milan.....	Aug. 27-Sept. 9...	19	6	
Naples.....				The Province outside of Naples, June 10-Sept. 23, 1,332 cases, 563 deaths.
Naples, city.....	June 11-Sept. 23...	936	269	
Padua.....	Aug. 27-Sept. 16...	7	3	
Palermo.....	June 18-Sept. 23...	436	210	
Palermo, city.....	June 15-Sept. 23...	1,408	443	
Pesaro.....	Aug. 20-Sept. 16...	100	41	
Pisa.....	Aug. 20-Sept. 2...	17	8	
Potenza.....	July 31-Sept. 9...	55	13	
Reggio di Calabria.....	Aug. 6-Sept. 16...	5	2	
Reggio Emilio.....	Sept. 3-9.....	1		
Rome.....	June 27-Sept. 23...	194	101	
Rovigo.....	Aug. 27-Sept. 16...	47	10	
Salerno.....	June 17-Sept. 16...	1,339	343	
Sassari.....	Sept. 16.....	1		
Syracuse.....	Aug. 6-Sept. 16...	84	18	
Teramo.....	Sept. 3-9.....	5	5	
Trapani.....	July 17-Sept. 16...	197	105	
Venice.....	Aug. 6-Sept. 23...	204	66	
<b>Japan:</b>				
Kobe.....	Aug. 30-Sept. 16...	4	2	
Nagasaki.....	Sept. 11.....	1		On s. s. Kasuga Maru.
Nishomayo.....	Aug. 28-Sept. 3...	2		
Osaka.....	Aug. 30-Sept. 16...	6		Do.
<b>Java:</b>				
Batavia.....	Sept. 3-9.....	12	5	
<b>Montenegro</b>				
Cettinje.....	Aug. 14-17.....	4		Among troops.
	July 29.....	2		
<b>Persia:</b>				
Adaban.....	July 29-Sept. 4...	19	8	
Ahwaz.....	Aug. 13-Sept. 2...	128	115	
Mohammerah.....	July 28-Sept. 9...	211	177	Case July 28, from the cruiser Persepolis.
<b>Philippine Islands.</b>				
				First quarter, 1911: Manila, no cases. Provinces, 199 cases and 160 deaths. Second quarter: Manila, no cases, no deaths. Provinces, no cases, no deaths.
Laguna.....	Aug. 6-12.....	1		
Manila.....	July 23-29.....	1	1	
<b>Provinces—</b>				
Rizal.....	do.....	1		
Union.....	July 23-Sept. 16...	21	18	
<b>Roumania.</b>				
Braila.....	Sept. 11.....	6	4	Total to Sept. 21: Cases, 18; deaths, 13. Sept. 13: 3 cases and 2 deaths in a village in vicinity.
<b>Russia.</b>				
				New outbreak Apr. 21-Oct. 7: Cases, 2,003; deaths, 1,018, in- cluding 7 cases and 2 deaths, p. 1044, vol. 1.
Astrakhan.....	July 12-Sept. 18...	435	181	
Baku.....	Sept. 3-13.....	7	2	
Baku, city.....	July 8-26.....	5	1	
Bessarabia.....	Sept. 3-13.....	2		
Dagestan.....	Aug. 13-19.....	27		
Don Territory.....	Sept. 3-13.....	9	2	
Jaroslav.....	Aug. 20-26.....	8	3	
Khasan.....	Sept. 3-13.....	3	2	
Kosmodemiansk.....	July 2.....	1		
Kherson.....	May 3-July 22.....	2		
Khuban.....	Aug. 13-26.....	1	2	
Moscow.....	Aug. 13-19.....	1		
Moscow.....	Aug. 20-26.....	1	1	
N(ijn) Novgorod.....	Aug. 27-Sept. 2...	1		
Novorvysik.....	July 28-Sept. 18...	11	3	6 cases, July 28-Aug. 6, on British steamer Wakefield in Black Sea.
Odessa.....	Aug. 6-12.....	2	1	
Poltava.....	June 24.....	1		

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from July 1 to Oct. 27, 1911.

## CHOLERA—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Russia—Continued.</b>				
Perm.....	Sept. 3-13.....	1	1	
Rostov on Don.....	Aug. 6-Sept. 13....	42	13	Aug. 6-12, 1 case from a Turkish ship from Trebizond.
Samara.....	June 29-Sept. 13....	747	407	Including Nikolayevsk.
Saratov.....	July 18-Sept. 13....	164	74	
Nikolayevsk.....	June 29-July 3.....	15	1	
Siberia—				
Omsk.....	June 20-26.....	2	.....	
Simbirsk.....	Aug. 6-Sept. 13....	89	49	
Stavropol.....	July 23-Aug. 19....	7	1	
Tambov.....	June 26-Sept. 13....	19	9	
Tver and Kursk.....	Aug. 6-12.....	1	.....	
Vilna—				
Disna.....	June 13.....	1	.....	On the Duna.
Vitebsk.....	Sept. 3-13.....	1	.....	
Lepel district.....	June 19.....	1	1	
Voronesh.....	Apr. 28-Aug. 12....	5	4	
Yeketerinislav.....	July 8-19.....	2	1	
Zarizyn.....	July 12-15.....	1	1	
<b>Servia:</b>				
Belgrade.....	Sept. 9.....	.....	.....	Present.
Rachka.....	Aug. 23-Sept. 8....	8	2	Case Aug. 23 from Reoca, Studentz district.
Ravta.....	Aug. 30-Sept. 2....	.....	.....	Present.
<b>Siam:</b>				
Bangkok.....	Apr. 16-Sept. 4....	939	1,000	
<b>Spain:</b>				
Tarragona.....	Aug. 30.....	.....	.....	In vicinity.
<b>Straits Settlements:</b>				
Began Dotah.....	June 16-20.....	11	.....	
Jenderata.....	July 1-8.....	20	13	
Penang.....	May 7-Aug. 12.....	8	11	
Perak.....	May 16-June 21....	.....	.....	Present among Malays and Chinese.
Singapore.....	May 7-Sept. 2.....	86	98	
<b>Tripoli:</b>				
Tripoli.....	Oct. 13.....	4	.....	
<b>Tunis Regency.</b>				
Bizerta.....	Sept. 17-20.....	25	9	
Tunis.....	Aug. 1-7.....	.....	6	Sept. 26, present.
<b>Turkey:</b>				
Constantinople.....	May 21-Sept. 25....	2,187	1,213	And vicinity.
Medua.....	Aug. 24-Sept. 1....	5	1	
Solonikil.....	Aug. 11-Sept. 24....	164	89	Among troops.
Valona.....	Aug. 27-Sept. 7....	28	8	
<b>Turkey in Asia:</b>				
Alatsham.....	June 19.....	2	.....	Present.
Amara.....	June 21.....	.....	.....	New outbreak.
Bagdad Vilayet.....	May 29-Sept. 9....	296	212	Aug. 9, 1 case, s. s. Budrie.
Basra.....	July 17-Sept. 23....	291	204	Present among pilgrims.
Beirut.....	Aug. 21.....	.....	.....	
Damascus.....	Aug. 14-Sept. 15....	22	17	
Erzeroum, vilayet.....	Sept. 13-30.....	.....	.....	Present in Erzingham, Unieh, and at Kerassunde, 5 cases and 7 deaths.
Ezra's Tomb.....	June 17.....	6	.....	70 miles from Basra.
Foglieri.....	July 26.....	2	1	In the Gulf of Smyrna.
Kamaran.....	May 28-July 11....	8	5	Among troops.
Kavak.....	June 5-11.....	1	.....	Aug. 8, present.
Kharput.....	Aug. 20-Sept. 9....	27	22	And vicinity.
Medina.....	Sept. 15-22.....	53	39	
Mekka.....	Sept. 1-24.....	352	314	
Samsun.....	May 29-July 30....	225	204	
Smyrna.....	Apr. 26-Sept. 24....	974	497	And district. Including 24 cases and 14 deaths, p. 1911, vol. 2.
Zongouldak.....	July 1-Sept. 24....	82	57	And vicinity.
At sea.....	June 23.....	1	1	On s. s. Goeben, bound from Southampton for Suez. Case developed 1 day after leaving Naples.
Do.....	July 25.....	.....	.....	2 cases from s. s. Zar Nicolaus from Algiers.

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from July 1 to Oct. 27, 1911.

## YELLOW FEVER.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Brazil:</b>				
Ceara.....	July 1-31.....		1	
Manaos.....	June 4-Sept. 30.....		21	
Para.....	June 21-Sept. 9.....	5	1	
Pernambuco.....	June 15-Sept. 30.....		9	Sept. 4, present.
<b>Bissagos Islands:</b>				
Bulama.....	May 27.....			Present.
<b>British Gold Coast:</b>				
Accra.....	May 23-27.....	3		Among natives.
<b>Ecuador:</b>				
Babahoyo.....	July 16-Aug. 15.....	2	2	
Bucay.....	Sept. 1-14.....	1		
Calaroma.....	July 16-31.....	1	1	
Changue.....	Sept. 16-30.....	1	1	
Guayaquil.....	June 1-Sept. 30.....	35	12	
Milagro.....	June 1-Aug. 15.....	17	13	
Naranjito.....	July 1-Sept. 30.....	5	1	
Yaguachi.....	June 16-July 15.....	1	1	
<b>Gambia:</b>				
Bathurst.....	May 23-27.....	5	2	Among Europeans.
<b>Hawaii:</b>				
Honolulu.....	Oct. 21.....	1		
<b>Mexico:</b>				
Merida.....				Total Aug. 1-Oct. 14; Cases, 85; deaths, 13.
<b>Venezuela:</b>				
Caracas.....	July 1-Sept. 23.....	26	1	
La Pastora.....	Aug. 5.....			Present.
Maiquetia.....	July 22.....	2		
San Juan.....	Aug. 5.....	1		

## PLAGUE.

<b>Arabia:</b>				
Masrat.....	May 21-June 15.....	4	2	
<b>Brazil:</b>				
Para.....	July 2-Sept. 9.....	5	4	Sept. 16, 2 cases.
Pernambuco.....	June 15-Sept. 15.....		9	Sept. 4, present.
Rio de Janeiro.....	July 16-Sept. 9.....	13	3	Oct. 9, 1 case.
<b>British East Africa:</b>				
Kismayu.....	Apr. 24-Aug. 16.....	55	42	
Nairobi.....	May 27-Aug. 5.....	34	19	
Port Florence.....	Apr. 26.....	1	1	
<b>Chile:</b>				
Arica.....	June 12-July 28.....	4	3	
Iquique.....	May 14-Sept. 23.....	41	26	
<b>China:</b>				
Amoy.....	May 21-July 17.....		20	To May 28: Cases, 61; July 8, present in the district.
Kulangsu.....	June 17-July 22.....		5	
Canton.....	May 18-Sept. 9.....			Present, and in neighboring cantons.
Hongkong.....	May 14-Sept. 2.....	209	156	Jan. 1-Aug. 15: Cases, 259; deaths, 240.
Shanghai.....	Aug. 10-26.....	31	19	May 14-27, 3 cases.
Swatow.....	May 21-July 22.....			May 21-June 2, epidemic in Chao-chow-fu. Hweilai, Kit-yang, and in Chao-Yang, Jan. 1-June 30, 6,000 deaths.
<b>Ecuador:</b>				
Guayaquil.....	June 1-Sept. 30.....	65	23	
<b>Egypt:</b>				
Alexandria.....	May 31-Sept. 12.....	42	18	
Cairo.....	Feb. 12-May 31.....	1	1	
Port Said.....	May 27-Sept. 3.....	35	15	On s. s. Yeddo, bound for Calcutta from New York, via Naples and Torre Vieja, Spain.
<b>Provinces—</b>				
Assiout.....	May 31-July 9.....	7	5	
Behera.....	May 23-Sept. 4.....	3		
Bent Souef.....	May 23-Aug. 10.....	4	1	
Dakahlieh.....	May 29-June 11.....	2	1	
Fayoum.....	May 28-June 17.....	8	5	
Galloubeh.....	June 1-Aug. 22.....	2	2	
Gergeh.....	Apr. 19-July 7.....	5	4	

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from July 1 to Oct. 27, 1911.

PLAGUE—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Egypt—Continued.</b>				
<b>Provinces—Continued.</b>				
Kena.....	May 30-June 12....	5	5	
Minieh.....	June 1-July 27....	29	11	
<b>India:</b>				
Bahrein Island.....	May 15-July 16....		1,925	In Persian Gulf.
Bombay.....	May 21-Sept. 23....	645	563	
Calcutta.....	May 7-Sept. 9....		618	
Karachi.....	May 28-Sept. 23....	216	213	
Rangoon.....	May 1-July 31....	9,843	7,108	
Bombay Presidency and Sind.....	May 7-Aug. 26....	20,507	14,170	
Madras Presidency.....	do.....	2,467	1,777	
Bengal.....	do.....	2,622	2,360	
United Provinces.....	do.....	18,084	17,521	
Punjab.....	do.....	60,877	53,359	
Burma.....	do.....	1,731	1,607	
Eastern Bengal and Assam.....	Aug. 6-26.....	2	12	
Central Provinces.....	May 7-Aug. 26....	603	351	
Mysore State.....	do.....	5,197	3,639	
Hyderabad State.....	do.....	431	347	
Central India.....	do.....	223	149	
Rajputana and Ajmere.....	May 20-Aug. 26....	1,690	1,452	
Merwara.....				
Kashmir.....	May 7-July 1....	624	425	
North West Province.....	do.....	110	79	
Grand total.....		115,168	97,248	
<b>Indo-China:</b>				
Saigon.....	May 15-Sept. 10...	338	100	And vicinity.
<b>Japan:</b>				
Formosa.....	May 21-July 1....	115	106	In Kagi Province from Jan. 1-June 15: Cases, 355, including report, p. 1047, vol. 1.
<b>Java:</b>				
Kediri.....	Mar. 31-July 22....	60	21	
Madloen.....	June 1-Aug. 26....	2		
Paseroean Residency.....	May 14-Sept. 9....	640	249	
Surabaya.....	Apr. 30-May 18....	21	4	
Mauritius.....	Mar. 1-July 10....	10	6	
<b>Morocco:</b>				
Maragan.....	July 13.....			Present among the Doukala, 5 hours distant.
<b>New Zealand:</b>				
Auckland.....	May 1-8.....	5		Total since Mar. 21: Cases, 8; deaths, 1.
<b>Paraguay:</b>				
Asuncion.....	Aug. 1-9.....		8	Present.
<b>Persia:</b>				
Buchir.....	May 14-June 25....	94	80	
Lingah.....	May 18-28.....	7		From Debal, on opposite Arabian coast.
<b>Peru:</b>				
<b>Departments—</b>				
Ancachs.....	Apr. 30-June 17....	9	2	
Arequipa.....	Apr. 23-June 17....	20	4	
Cajamarca.....	do.....			Aug. 10, present.
Callao.....	do.....	5	2	Sept. 24, 1 case.
Chiclayo.....	Apr. 30-July 22....	14	5	
Lambayeque.....	Apr. 23-June 3....	24	12	
Libertad.....	Apr. 23-July 22....	17	7	Aug. 21, present in Moche.
Lima.....	do.....	47	17	
Pacasmayo.....	Apr. 30-June 3....	3	2	
<b>Philippine Islands.</b>				
Mariveles quarantine station.....	May 25-26.....	1	1	First quarter, 1911: Manila, no cases; Provinces, no cases. From s. s. Taisang from Amoy.
<b>Russia:</b>				
Odessa.....	June 18-Aug. 8....	8	2	
<b>Astrakhan Government—</b>				
Ujaly.....	July 3.....			Present.
Saraltschin.....	June 18-24.....	3	3	
<b>Kirghis Steppe—</b>				
Akbulak.....	July 13-Aug. 2....	5	2	Pneumonic.
Kjubekudik.....	July 15.....	5	4	Do.
Narvma.....	June 24.....	4	4	
<b>Siam:</b>				
Bangkok.....	Apr. 16-Sept. 4....	72	81	

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from July 1 to Oct. 27, 1911.

## PLAGUE—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
Straits Settlements:				
Singapore.....	May 21-Sept. 2...	6	6	
Turkey in Asia:				
Adalia.....	July 7-Aug. 30....	4		
Basra.....	May 21-31.....	4	2	
Beirut.....	Aug. 21.....			Present among pilgrims; and present in the Lebanon district.
Brusa.....	Aug. 2-15.....	2		
Smyrna.....	Sept. 17-22.....	2	1	
Venezuela:				
Baruta.....	Sept. 3-9.....			
Caracas.....	May 29-Sept. 23..	11		
Santa Rosalia.....	Aug. 5.....	1		

## SMALLPOX.

Algeria:				
Departments—				
Algiers.....	Mar. 1-Aug. 31....	5	2	July 1-31, 5 deaths.
Constantine.....	Mar. 1-May 31....	74		
Arabia:				
Aden.....	Apr. 11-Aug. 22... 206		7	And vicinity.
Argentina:				
Buenos Aires.....	Apr. 1-June 30....		89	
Rosario.....	do.....		125	
Austria-Hungary:				
Bohemia.....	May 28-June 17... 5			
Galicia.....	May 28-July 15... 3			
Brazil:				
Bahia.....	Apr. 1-30.....		1	
Ceara.....	June 1-30.....		1	
Para.....	June 25-Sept. 16... 9		2	
Pernambuco.....	June 1-Sept. 15... 758			
Rio de Janeiro.....	May 28-Sept. 9... 24		1	
Sao Paulo.....	May 15-21.....		1	
Canada:				
British Columbia—				
Vancouver.....	July 9-Sept. 23... 8			
Victoria.....	May 1-31.....	10		
Manitoba—				
Fort Alexander.....	July 8.....	19		Among Indians.
Lac de Bonnet.....	do.....	1		
Point du Bois.....	do.....			Epidemic.
Selkirk.....	do.....	1		From Mapleton.
Winnipeg.....	July 23-29.....	1		
New Brunswick—				
Newcastle.....	July 15-Aug. 5... 1			Present in vicinity.
Ontario—				
Ottawa.....	June 11-Oct. 7... 25			
Nova Scotia—				
Halifax.....	May 23-Sept. 30... 6			
Prince Edward Island—				
Charlottetown.....	June 14-20.....	1		
Quebec				
Montreal.....	July 9-Sept. 30... 7			
Quebec.....	June 18-Oct. 14... 16			
Yukon.....	Sept. 17.....	66	1	On the Porcupine.
Dawson.....	June 4-July 11... 15			
Ceylon:				
Colombo.....	May 21-Sept. 16... 40		4	
Chile:				
Caldera.....	June 24.....	2	1	
Punta Arenas.....	June 1-July 31... 3		1	
Talcahuano.....	June 27-Sept. 9... 104		25	
Valparaiso.....	June 24-Sept. 23... 322			
China:				
Chunking.....	May 28-Aug. 19... 1			Present.
Hongkong.....	May 21-Sept. 9... 32		25	
Nanking.....	May 28-Sept. 23... 1			Do.
Shanghai.....	May 24-July 16... 2		8	Deaths among natives.
Swatow.....	May 28-July 22... 1			Present in the district.
Colombia:				
Cartagena.....	May 22-July 9... 1			Present.
Egypt:				
Alexandria.....	Apr. 1-July 31... 64		32	
Cairo.....	May 22-Aug. 19... 11		4	
Port Said.....	May 29-Aug. 19... 14		13	

## CHOLERA, YELLOW FEVER, PLAGUE, AND SMALLPOX—Continued.

Reports Received from July 1 to Oct. 27, 1911.

## SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
France:				
Havre.....	July 16-22.....	1	1	
Marseille.....	Aug. 1-31.....		1	
Paris.....	June 18-Sept. 30..	10		
Germany.....				Total for Germany, June 4-Oct. 7: Cases, 28.
Bremen.....	July 9-15.....	1		
Hamburg.....	Aug. 6-19.....			3 cases on s. s. Prinz Regent.
Gibraltar.....	June 4-Sept. 10....	2		
Great Britain:				
Birmingham.....	July 2-15.....	1	1	
Dundee.....	June 11-Aug. 12....	10	3	
Liverpool.....	June 18-Oct. 7.....	8		
London.....	June 4-24.....	13		
Plymouth.....	July 2-8.....		1	
Sheffield.....	June 18-24.....		1	
India:				
Bombay.....	May 21-Sept. 16....	115	94	
Calcutta.....	May 7-June 24.....		6	
Madras.....	May 21-Sept. 23....	144	61	
Rangoon.....	May 1-July 31.....	333	161	
Indo-China:				
Saigon.....	May 15-Sept. 10....	131	52	And vicinity.
Italy:				
Catania.....	July 19-Aug. 12....		4	
Genoa.....	Aug. 1-Sept. 30....	3		
Naples.....	June 11-Sept. 30....	86	10	
Palermo.....	June 4-Sept. 30....	621	341	
Rome.....	Mar. 1-31.....	1	1	
Japan:				
Yokohama.....	June 13-19.....	1		
Java:				
Batavia.....	July 2-Sept. 9.....	29	8	
Malta:				
Valetta.....	June 6-12.....	1		
Mexico:				
Aguascalientes.....	Aug. 28-Oct. 8.....		4	
Cananea, mines.....	Sept. 12-22.....	30		
Chihuahua.....	June 28-Sept. 10....	22	10	
Frontera.....	June 19-24.....	1		
Guadalajara.....	June 18-Aug. 19....		3	
Inuris.....	Sept. 22.....	10		
Juarez.....	July 9-Sept. 30....	23	6	
Mazatlan.....	Aug. 6-Sept. 9.....	13	4	
Mexico.....	May 21-Sept. 16....		159	July 23-Sept. 30, 65 cases.
Porfirio Diaz.....	July 23-Sept. 30....	9		
San Juan Bautista.....	June 17-July 15....		7	Present and in vicinity. Aug. 26 increasing.
San Luis Potosi.....	June 4-Sept. 23....	17	18	
Tampico.....	June 11-Oct. 10....		9	
Tapachula.....	July 8-Aug. 26.....		13	
Peru:				
Salaverry.....	Aug. 1-7.....			Present.
Philippine Islands.....				First quarter, 1911, Manila: Cases, 93; deaths, 0. Second quarter: Cases, 142; deaths, 0.
Portugal:				
Lisbon.....	June 4-Sept. 30....	100		May 7-20, deaths, 3.
Porto Rico:				
Ponce.....	Apr. 1-30.....		1	
Portuguese East Africa:				
Lourenco Marquez.....	do.....		1	
Russia:				
Batoum.....	May 1-June 30.....	3		
Libau.....	June 5-Sept. 10....	13	1	July 16, 1 death.
Moscow.....	May 28-Sept. 23....	165	84	
Odesa.....	May 27-Sept. 16....	8		
Reval.....	May 1-31.....	5		
Riga.....	May 27-Sept. 23....	18		Apr. 1-May 31, deaths 14.
St. Petersburg.....	May 21-Sept. 23....	166	31	
Warsaw.....	Apr. 2-Aug. 26.....	145	66	
Windau.....	June 25-July 1.....			Present.
Siam:				
Bangkok.....	Apr. 16-Sept. 4....	100	128	
Siberia:				
Omsk.....	May 29-July 14....	3		
Vladivostok.....	May 14-June 30....	12	5	



## MORTALITY—Continued.

Weekly mortality table, foreign and insular cities—Continued.

Cities.	Week ended—	Estimated population.	Total deaths from all causes.	Deaths from—												
				Tuberculosis.	Plague.	Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Typhoid fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.		
Dundee.....	Oct. 7	171,006	60	4												
Durban.....	Sept. 16	69,165	23	1						1		1	1			
Edinburgh.....	Sept. 30	320,829	106	7							1					3
Erfurt.....	Sept. 23	124,399	47	5									5			
Do.....	Sept. 30		29	2									3			
Ghent.....	do.....	165,965	69	4						1	1					
Hongkong.....	Sept. 9	336,488						2								
Karachi.....	Sept. 23	148,000	56		1											
Kingston, Jamaica.....	Sept. 30	59,584								1						
Kingston, Canada.....	Oct. 14	20,000	4	1							1					
Konigsberg.....	Sept. 30	247,300	88	7												
Leeds.....	Oct. 7	445,568	147	8									3	1	2	6
Leipzig.....	Sept. 30	595,703	180	16					1	1	1			2		2
Leith.....	do.....	80,674	22	5									1			
Liege.....	do.....	174,768	43	2						1						
Liverpool.....	Oct. 7	747,627	254	18						2	2	3		1		2
Madras.....	Sept. 23	550,000	376			2		2		1				1		
Manaos.....	Sept. 30		37	4			2									
Manchester.....	Oct. 7	631,533	218	38						1	2			2		
Mannheim.....	Sept. 23	196,526	42	4									1			
Mazatlan.....	Oct. 7	22,000	23					1								
Monterey.....	Oct. 15	100,000	52	5						1	1					1
Moscow.....	Sept. 16	1,600,000	686	69					1	4	10	13	15			2
Do.....	Sept. 23		679	87				1	1	5	14	13	14			10
Nagoya.....	Sept. 9	414,998	150							2	2					
Nagoya.....	Sept. 16	414,998	195							2						
Nantes.....	Sept. 17	161,908	97	15						1						
Nottingham.....	Sept. 30	259,942	68													1
Odessa.....	do.....	546,000	168	22					1	5	5	2				2
Palermo.....	do.....	340,000	191	9				61	1	3						
Para.....	Oct. 7	185,000	70	8						1						
Penang.....	Sept. 9	101,427	67	12												
Do.....	Sept. 16		62	4												
Prague.....	Sept. 23	223,741	64	8							1	1				
Do.....	Sept. 30		56	7							2	1				
Saigon.....	Sept. 10	206,000				5		3								
Saloniki.....	Oct. 2	200,000				40										
Sheffield.....	Sept. 30	454,653	143	7								1	1			1
Do.....	Oct. 7		135	5								1	2			
South Shields.....	Sept. 23	108,844	43	6												
Do.....	Sept. 30		29	2												
St. Petersburg.....	Sept. 23	1,907,708	627	88						13	12	6	25			16
Stettin.....	Sept. 30	234,033	71	8							3					
Tampico.....	Oct. 10	23,452	51	5				1								
Tarragona.....	Oct. 7	23,150	8													
Toronto.....	Oct. 14	392,000	117	7						2	6		3			
Trieste.....	Sept. 30	230,820	115													1
Turin.....	Oct. 1	401,555	127	23						5						
Valencia.....	Oct. 7	240,000	74	6						1						
Vienna.....	Sept. 23	2,047,968	538	79						4	5	4	2			5
Warsaw.....	Aug. 19	797,093	335	26				8		4	15	1	9			
Do.....	Aug. 26		362	36				5		3	12	3	1			2
Winnipeg.....	Oct. 14	151,958	44									2				
Yokohama.....	Oct. 2	419,630								1						

## MORTALITY—FOREIGN AND INSULAR—COUNTRIES AND CITIES (Untabulated).

ALGERIA—*Algiers*.—Month of August, 1911. Population, 172,397. Total number of deaths from all causes 359, including diphtheria 2, measles 2, smallpox 2, tuberculosis 24, typhoid fever 8, typhus fever 1.

**BRAZIL—Bahia.**—Month of May, 1911. Population, 286,000. Total number of deaths from all causes 436, including measles 6, smallpox 1, tuberculosis 73.

Month of June, 1911. Total number of deaths from all causes 452, including measles 3, tuberculosis 74, typhoid fever 1.

**Ceara.**—Month of July, 1911. Population, 60,000. Total number of deaths from all causes 118, including yellow fever 1, tuberculosis 19, typhoid fever 7.

Month of August, 1911. Total number of deaths from all causes 120, including tuberculosis 12, typhoid fever 5.

**Pernambuco.**—Two weeks ended August 15, 1911. Population, 200,000. Total number of deaths from all causes 463, including plague 1, scarlet fever 1, smallpox 157, tuberculosis 60, yellow fever 2.

Two weeks ended August 31, 1911. Total number of deaths from all causes 518, including plague 3, smallpox 140, tuberculosis 69.

**Santos.**—Two weeks ended July 22, 1911. Population, 85,000. Total number of deaths from all causes 64, including measles 4, typhoid fever 1.

Two weeks ended August 5, 1911. Total number of deaths 51. No deaths from contagious diseases.

**BRITISH BURMA—Rangoon.**—Month of July, 1911. Population, 289,432. Total number of deaths from all causes 1,123, including plague 331, smallpox 9, tuberculosis 39.

**CANADA—Hamilton.**—Month of September, 1911. Population, 82,000. Total number of deaths from all causes 84, including diphtheria 1, tuberculosis 6, typhoid fever 2.

**Vancouver.**—Month of August, 1911. Population, 100,000. Total number of deaths from all causes 117, including diphtheria 1, tuberculosis 5, typhoid fever 2.

**GREAT BRITAIN.**—Week ended September 2, 1911.

**England and Wales.**—The deaths registered in 77 great towns correspond to an annual rate of 20.6 per 1,000 of the population, which is estimated at 16,157,797.

**Ireland.**—The deaths registered in 21 principal town districts correspond to an annual rate of 21 per 1,000 of the population, which is estimated at 1,149,495. The lowest rate was recorded at Drogheda, 4.2, and the highest at Newtownards, viz, 57.2 per 1,000.

**Scotland.**—The deaths registered in 8 principal towns correspond to an annual rate of 14.4 per 1,000 of the population, which is estimated at 1,710,291. The lowest rate was recorded at Edinburg, viz, 12.2, and the highest at Greenock, viz, 21.5 per 1,000. The total number of deaths from all causes was 471, including diphtheria 5, measles 11, scarlet fever 1, typhoid fever 2.

Week ended September 9, 1911.

*England and Wales.*—The deaths registered in 77 great towns correspond to an annual rate of 19 per 1,000 of the population, which is estimated at 16,157,797.

*Ireland.*—The deaths registered in 21 principal town districts correspond to an annual rate of 22.1 per 1,000 of the population which is estimated at 1,149,495. The lowest rate was recorded at Galway, viz, 3.9, and the highest at Wexford, viz, 31.9, per 1,000 of the population.

*Scotland.*—The deaths registered in 8 principal towns correspond to an annual rate of 16.4 per 1,000 of the population, which is estimated at 1,710,291. The lowest rate was recorded at Paisley, viz, 11.1, and the highest at Aberdeen, viz, 20.1, per 1,000 of the population. The total number of deaths from all causes was 536, including diphtheria 8, measles 3, scarlet fever 2, typhoid fever 2.

**SIERRA LEONE**—*Freetown.*—Month of August, 1911. Population, 40,000. Total number of deaths from all causes 61. No contagious diseases.

**SPAIN**—*Almeria.*—Month of September, 1911. Population, 50,910. Total number of deaths from all causes 127, including diphtheria 1, tuberculosis 10, typhoid fever 2.

*Huelva.*—Month of July, 1911. Population, 28,982. Total number of deaths from all causes 56, including tuberculosis 5.

*Madrid.*—Month of August, 1911. Population, 613,436. Total number of deaths from all causes 1,113, including diphtheria 12, measles 14, scarlet fever 1, tuberculosis 164, typhoid fever 22.

*Malaga.*—Month of July, 1911. Population, 135,000. Total number of deaths from all causes 296, including diphtheria 2, smallpox 17, tuberculosis 21, typhoid fever 3.

*Seville.*—Month of August, 1911. Population, 158,235. Total number of deaths from all causes 409, including diphtheria 4, measles 3, smallpox 2, tuberculosis 63, typhoid fever 3.

Month of September, 1911. Total number of deaths from all causes 355, including diphtheria 3, measles 1, smallpox 3, tuberculosis 60, typhoid fever 1.

By authority of the Secretary of the Treasury:

WALTER WYMAN,

Surgeon General,

*United States Public Health and Marine-Hospital Service.*